EXHIBIT 10

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

Case No. 6:20-cv-244-ADA (W.D. Tex.) Case No. 6:20-cv-245-ADA (W.D. Tex.)

Invalidity of U.S. Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127 by Wroblewski

REFERENCE: "Site-Seeing: A Visual Approach to Web Usability," by Luke Wroblewski ("Wroblewski") was published by Hungry Minds in April 2002. Wroblewski is prior art to the '411, '301, '517, '836, '880, and '127 patents under at least 35 U.S.C. § 102(a) and § 102(g)(2). All emphasis added unless otherwise indicated.¹

'411 Claim 1-I

'411 Patent Claim 1	Disclosure
1. A method for navigating within a multi-level hierarchical collapsing menu structure where each level in the menu contains plural items, each said	To the extent the preamble is limiting, Wroblewski, as evidenced by the example citations below, discloses a method for navigating within a multi-level hierarchical collapsing menu structure where each level in the menu contains plural items, each said item being at least one of a function, a pointer to a location, and a pointer to another level, as this language appears to be interpreted by Caddo.
item being at least one of a function, a pointer to a location, and a pointer to	 See e.g.: "Another popular solution is to use 'space-saving' navigation elements to strike an adequate navigation/content balance. Cascading menus, dynamic user-controlled menus, drop-down menus, and breadcrumbs

¹ To the extent that these Preliminary Invalidity Contentions rely on or otherwise embody particular constructions of terms or phrases in the Asserted Claims, Defendant is not proposing any such constructions as proper constructions of those terms or phrases. Various positions put forth in this document are predicated on Plaintiff's incorrect and overly broad interpretation of its claims as evidenced by its Preliminary Infringement Contentions, dated September 17, 2020. Those positions are not intended to and do not necessarily reflect Defendant's interpretation of the true and proper scope of Plaintiff's claims, and Defendant reserves the right to adopt claim construction positions that differ from or even conflict with various positions put forth in this document.

Chart A-4

'411 Patent Claim 1	Disclosure
another level, said method comprising the steps of:	are just a few 'space-saving' elements common today. (See sidebar to right) Each of these solutions has its share of benefits and drawbacks, which you need to be aware of before committing your site to one." Wroblewski at 55.
	• Wroblewski at 56:
	SPACE SAVERS
	Welcome
	PRODUCTS & SERVICES Emerging Technologies
	ABOUT US Information Management
	CONTACT US Software Development Training
	Web Seminars
	Web Data Storage
	Navigation menus that require user action before they reveal their contents are a common method of saving space and reducing navigational clutter. The site above uses cascading menus that disclose the next level of navigation links when a user mouses over them.
	Home > User Information > Resources > Hardware > Origin2000
	Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location.
	• Wroblewski at 54:

Chart A-4

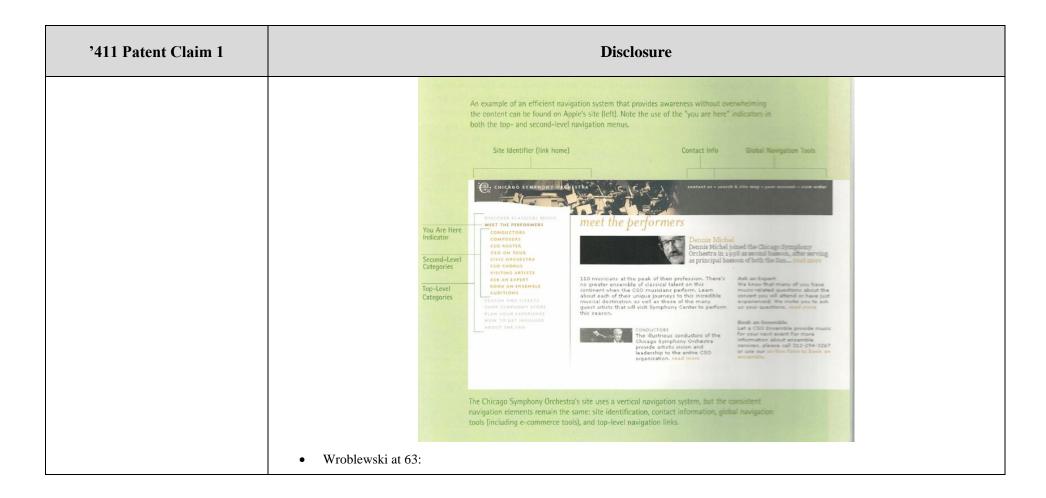


Chart A-4

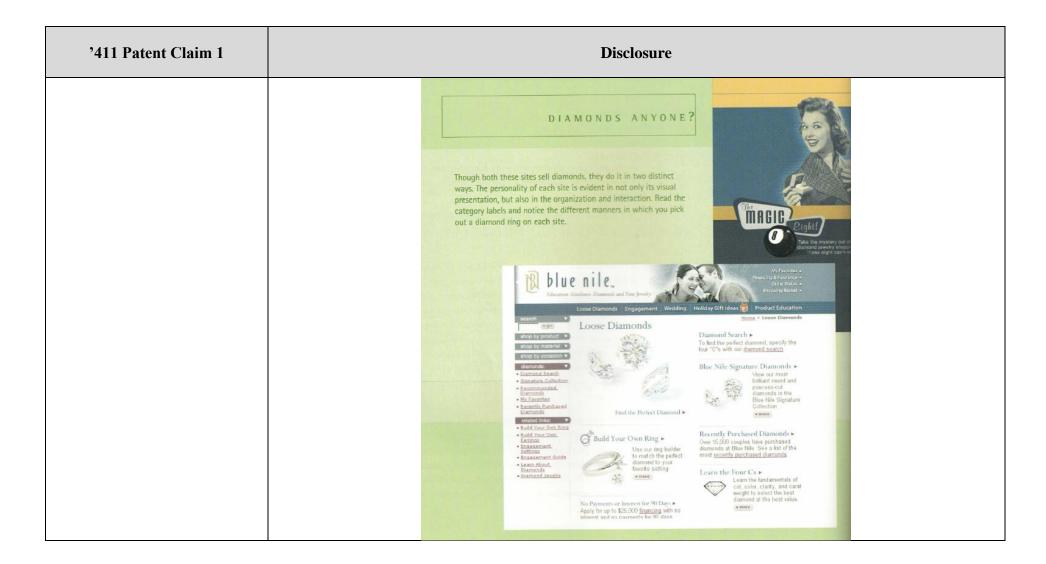


Chart A-4

'411 Patent Claim 1	Disclosure
[a] providing a graphical user menu system displaying the items of a given level and enabling selection thereof, wherein access of said given level requires sequential access of each of the levels preceding said given level in the hierarchy;	Wroblewski, as evidenced by the example citations below, discloses providing a graphical user menu system displaying the items of a given level and enabling selection thereof, wherein access of said given level requires sequential access of each of the levels preceding said given level in the hierarchy, as this claim limitation appears to be interpreted by Caddo. See e.g.: • "Another popular solution is to use 'space-saving' navigation elements to strike an adequate navigation elements to strike an adequate navigation/content balance. Cascading menus, dynamic user-controlled menus, drop-down menus, and breadcrumbs are just a few 'space-saving' elements common today. (See sidebar to right) Each of these solutions has its share of benefits and drawbacks, which you need to be aware of before committing your site to one." Wroblewski at 55. • Wroblewski at 56:

Chart A-4

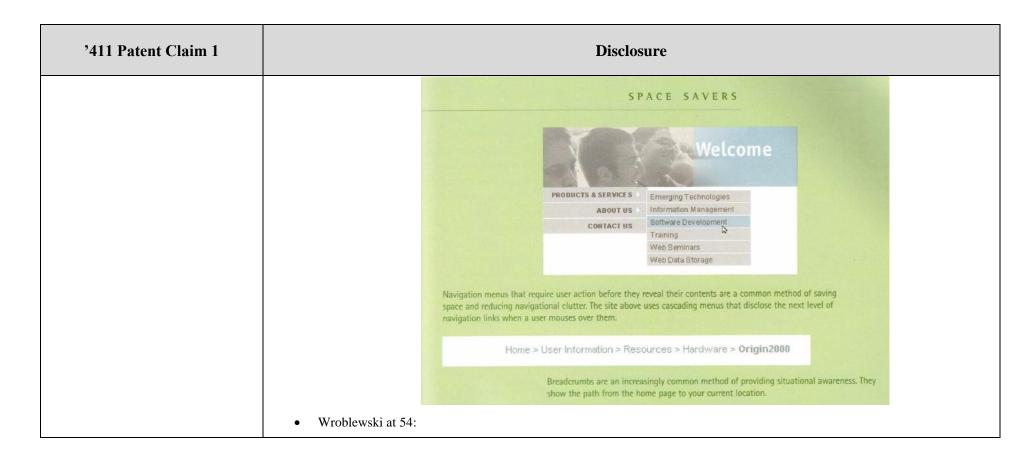


Chart A-4

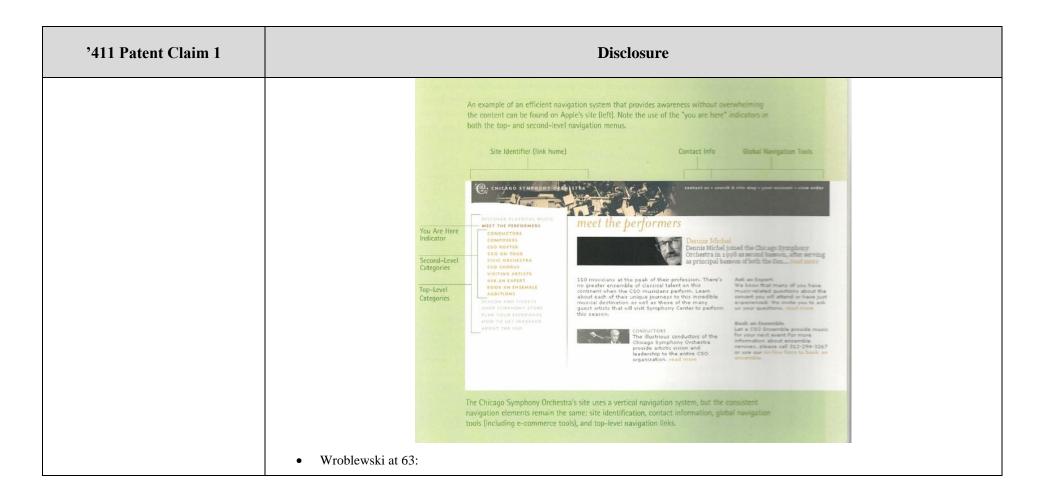
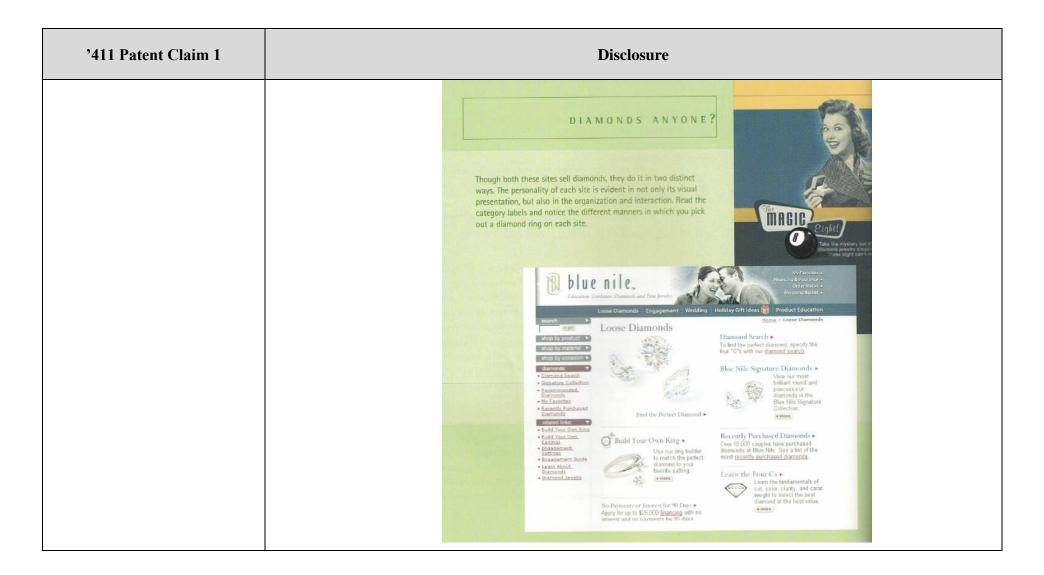


Chart A-4



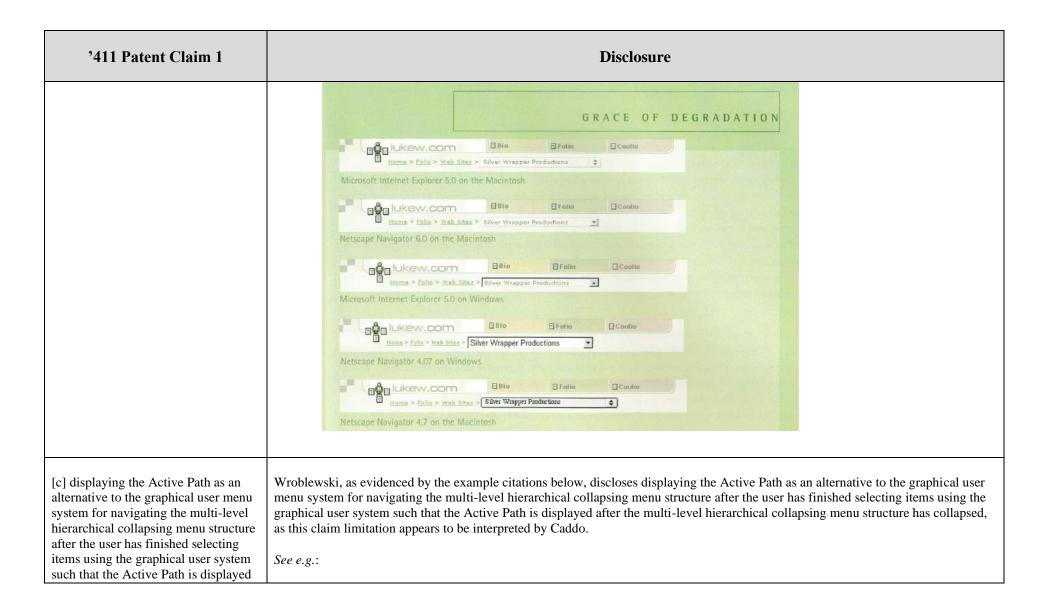
Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'411 Patent Claim 1 **Disclosure** [b] automatically constructing an Wroblewski, as evidenced by the example citations below, discloses automatically constructing an Active Path as a sequence of hierarchical active links as items are selected using the graphical user menu system without the need for any additional interaction with Active Path as a sequence of hierarchical active links as items are the graphical user system, with one said active link corresponding to each of the items selected, each said active link being selected using the graphical user menu independently selectable thereby providing direct access to the hierarchical level from which the corresponding item was selected system without the need for any without the need to navigate using said graphical user menu system, as this claim limitation appears to be interpreted by Caddo. additional interaction with the graphical user system, with one said See e.g.: active link corresponding to each of the items selected, each said active Wroblewski at 56: link being independently selectable thereby providing direct access to the Home > User Information > Resources > Hardware > Origin2000 hierarchical level from which the corresponding item was selected Breadcrumbs are an increasingly common method of providing situational awareness. They without the need to navigate using said show the path from the home page to your current location. graphical user menu system; and Wroblewski at 58:

Chart A-4



Chart A-4

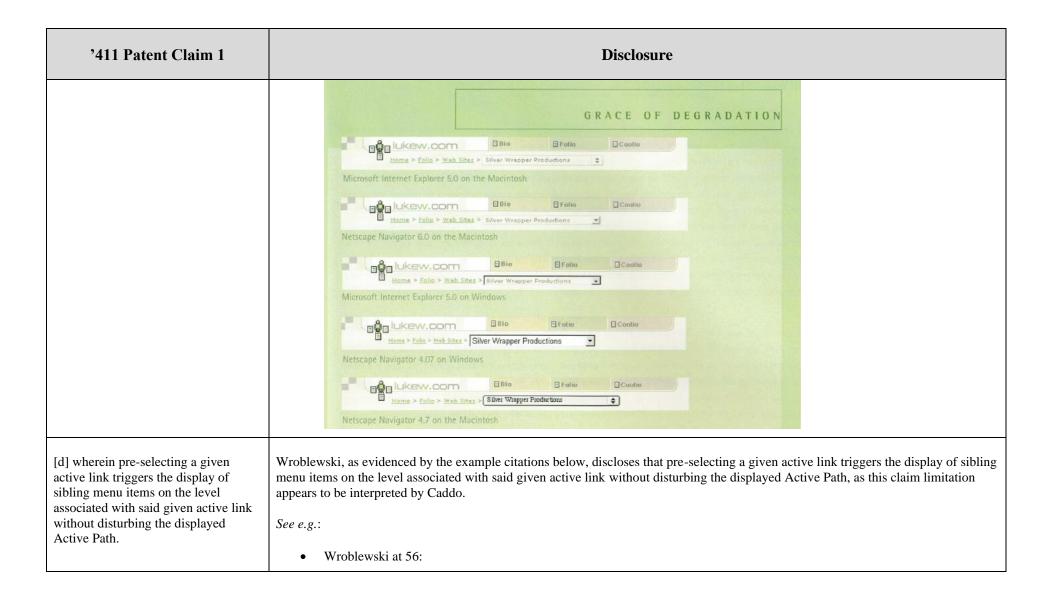


'411 Patent Claim 1	Disclosure
after the multi-level hierarchical collapsing menu structure has collapsed;	Wroblewski at 56: Home > User Information > Resources > Hardware > Origin2000 Breadcrumbs are an increasingly common method of providing situational awareness. They
	Wroblewski at 58:

Chart A-4

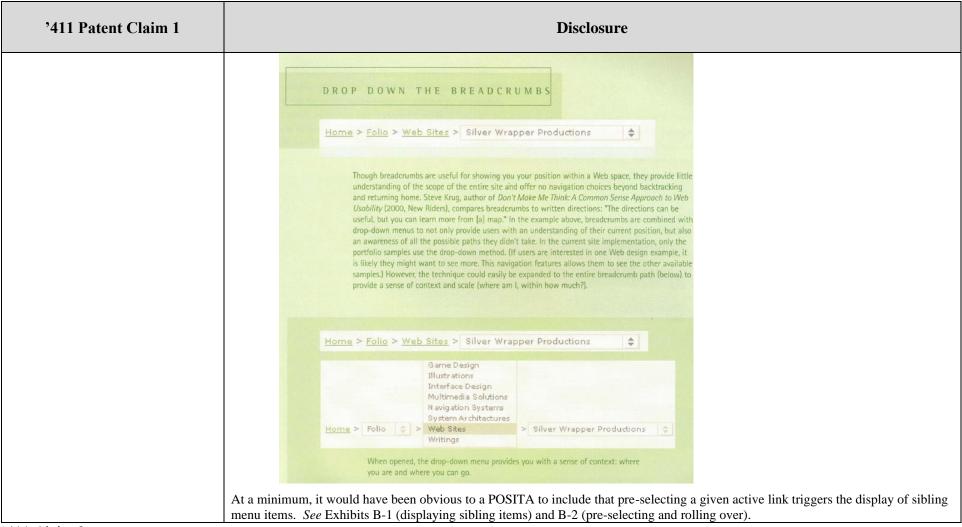


Chart A-4



'411 Patent Claim 1	Disclosure
	Home > User Information > Resources > Hardware > Origin2000
	Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location.
	Wroblewski at 58:

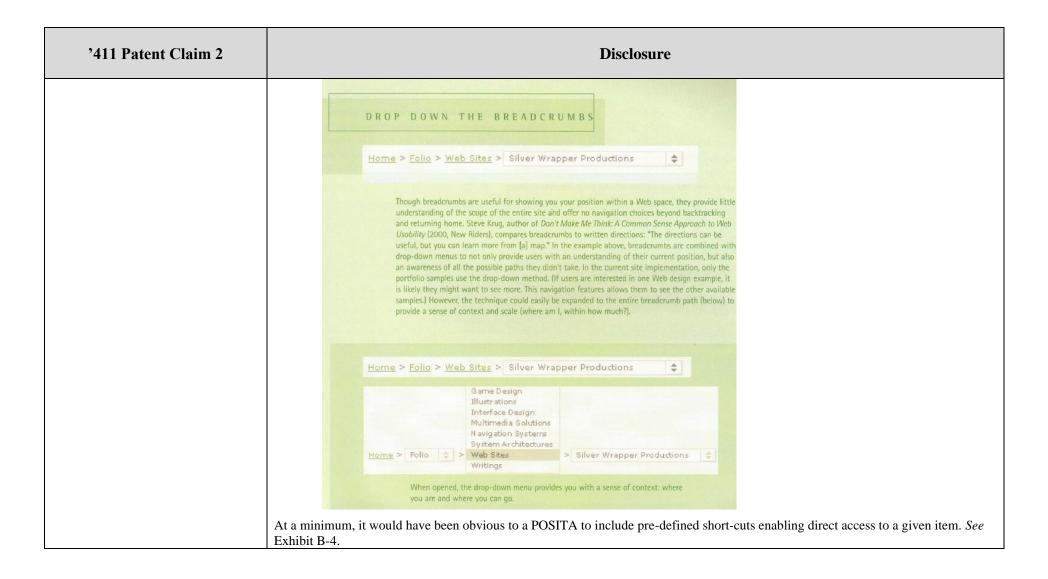
Chart A-4



'411 Claim 2

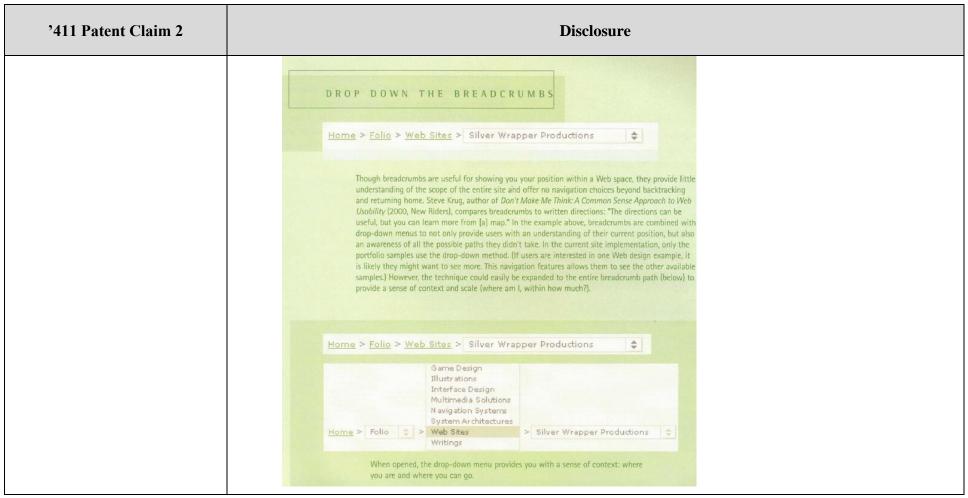
'411 Patent Claim 2	Disclosure
2. The method for navigating according to claim 1, further comprising:	
[a] providing pre-defined short-cuts enabling direct access to a given item; and	Wroblewski, as evidenced by the example citations below, discloses providing pre-defined short-cuts enabling direct access to a given item, as this claim limitation appears to be interpreted by Caddo. See e.g.:
	Wroblewski at 56: Home > User Information > Resources > Hardware > Origin2000 Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location. Wroblewski at 58:

Chart A-4



'411 Patent Claim 2	Disclosure
[b] automatically constructing the Active Path when a pre-defined short-cut is executed, with one said active link corresponding to each of the menu items necessary to access said given menu item using said graphical user menu system.	Wroblewski, as evidenced by the example citations below, discloses automatically constructing the Active Path when a pre-defined short-cut is executed, with one said active link corresponding to each of the items necessary to access said given item using said graphical user menu system., as this claim limitation appears to be interpreted by Caddo. See e.g.: • Wroblewski at 56:
	Home > User Information > Resources > Hardware > Origin2000 Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location. • Wroblewski at 58:

Chart A-4

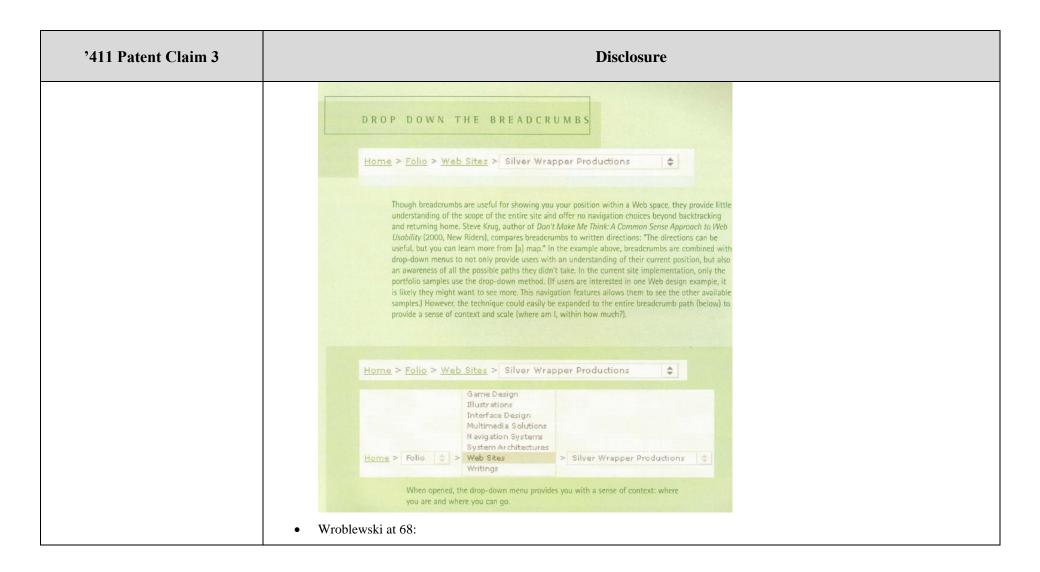


'411 Claim 3

Chart A-4

'411 Patent Claim 3	Disclosure
3. The method for navigating according to claim 1, wherein selecting a given active link triggers the execution of a function associated with said given active link.	Wroblewski, as evidenced by the example citations below, discloses that selecting a given active link triggers the execution of a function associated with the given active link, as this claim limitation appears to be interpreted by Caddo. See e.g.: Wroblewski at 56: Home > User Information > Resources > Hardware > Origin2000 Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location.
	Wroblewski at 58:

Chart A-4



'411 Patent Claim 3	Disclosure
	GRACE OF DEGRADATION
	Home > Folio > Web Sites > Silver Wrapper Productions #
	Microsoft Internet Explorer 5.0 on the Macintosh
	Netscape Navigator 6.0 on the Macintosh
	Home > Folio > Web Sitez > Silver Wrapper Productions Microsoft Internet Explorer 5.0 on Windows
	LIKEW.COM Dio Coolio C
	Netscape Navigator 4.07 on Windows Blio Grotio
	Netscape Navigator 4.7 on the Macintosh

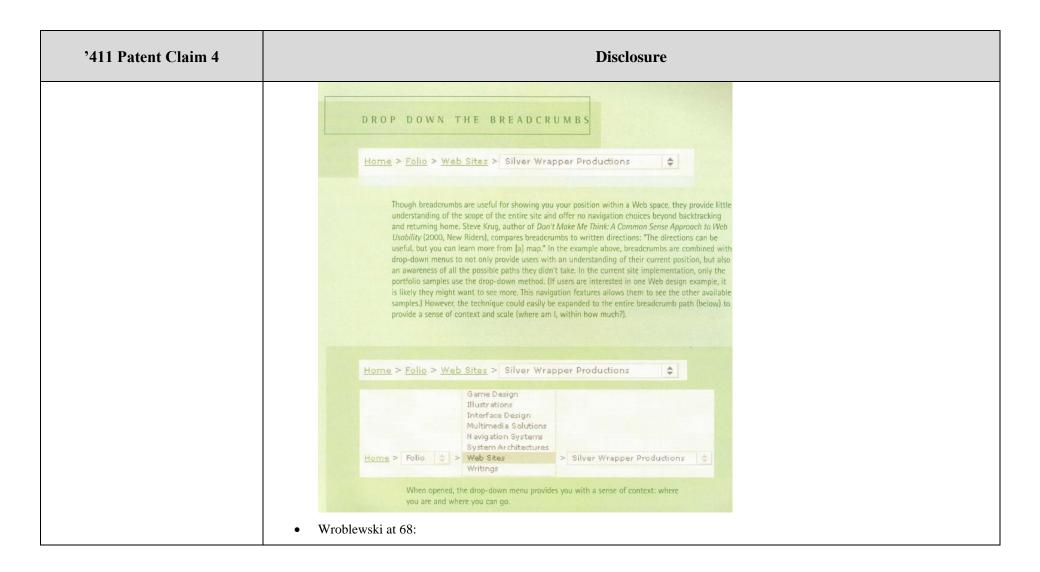
'411 Claim 4

'411 Patent Claim 4	Disclosure
4. The method for navigating according to claim 1, wherein selecting a given active link triggers	Wroblewski, as evidenced by the example citations below, discloses that selecting a given active link triggers display of information associated with said given active link, as this claim limitation appears to be interpreted by Caddo.

Chart A-4

'411 Patent Claim 4	Disclosure
display of information associated with said given active link.	See e.g.:
	Wroblewski at 56:
	Home > User Information > Resources > Hardware > Origin2000
	Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location.
	• Wroblewski at 58:

Chart A-4



'411 Patent Claim 4	Disclosure
	GRACE OF DEGRADATION Continue Continue

'411 Claim 6

'411 Patent Claim 6	Disclosure
6. The method for navigating according to claim 1, wherein preselecting a given menu item displayed	Wroblewski, as evidenced by the example citations below, discloses that pre-selecting a given menu item displayed while pre-selecting the given active link triggers the display of subordinate menu items, as this claim limitation appears to be interpreted by Caddo.

Chart A-4

'411 Patent Claim 6	Disclosure
while pre-selecting the given active	See e.g.:
link triggers the display of subordinate	W. 11 11 . 56
menu items.	Wroblewski at 56:
	Home > User Information > Resources > Hardware > Origin2000
	Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location.
	Wroblewski at 58:

Chart A-4



Chart A-4

'411 Patent Claim 6	Disclosure
411 Patent Claim o	GRACE OF DEGRADATION Continue Folia Web Sites Silver Wrapper Productions Decision
	Netscape Navigator 4,7 on the Macintosh
2201 Chaire 1 I	At a minimum, it would have been obvious to a POSITA to include that pre-selecting a given menu item triggers the display of subordinate menu items. <i>See</i> Exhibit B-2.

'301 Claim 1-I

Chart A-4

'301 Patent Claim 1	Disclosure
1. A method for navigating within a multi-level hierarchical information structure where each level in the information structure contains plural items, each said item being at least one of a function, a pointer to a location, and a pointer to another level, said method comprising the steps of:	To the extent the preamble is limiting, this element is satisfied by the disclosure set forth in connection with the discussion of '411 claim 1 preamble.
[a] providing a graphical user menu system displaying the items of a given level of the hierarchical information structure and enabling selection thereof; and	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim 1[a].
[b] dynamically constructing an Active Path as a sequence of active links as items are selected using the graphical user menu system, with one said active link corresponding to each of the items selected, said active links providing direct access to one of a function, corresponding level and menu item without the need to navigate using said graphical user menu system;	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim 1[b].

'301 Patent Claim 1	Disclosure
[c] each said active link enabling the user to directly browse all items on any given level of the hierarchical information structure including all hierarchically subordinate items without affecting the Active Path.	Wroblewski, as evidenced by the example citations below, discloses that pre-selecting a given menu item displayed while pre-selecting the given active link triggers the display of subordinate menu items, as this claim limitation appears to be interpreted by Caddo. See e.g.: Wroblewski at 56: Home > User Information > Resources > Hardware > Origin2000 Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location. Wroblewski at 58:

Chart A-4



Chart A-4

'301 Patent Claim 1	Disclosure
	GRACE OF DEGRADATION
	Bio Brotto GCootio Bome > Folio > Web Sites > Silver Wrapper Productions \$
	Microsoft Internet Explorer 5.0 on the Macintosh
	Netscape Navigator 6.0 on the Macintosh
	Home > Folio > Web Sites > Silver Wrapper Productions
	Microsoft Internet Explorer 5.0 on Windows
	Hama > Folia > Mab Sites > Silver Wrapper Productions
	Netscape Navigator 4.07 on Windows
	Home > Folio > Web Sites > Stiver Whapper Productions \$
	Netscape Navigator 4.7 on the Macintosh
	At a minimum, it would have been obvious to a POSITA to include browsing all hierarchically subordinate items using the active links. <i>See</i> , <i>e.g.</i> , Exhibit A-6 at 50-55.

'301 Claim 2

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'301 Patent Claim 2	Disclosure
2. The method for navigating according to claim 1, further comprising:	
[a] providing pre-defined short-cuts enabling direct access to a given item; and	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 2[a].
[b] dynamically constructing the Active Path when a pre-defined short-cut is executed, with one said active link corresponding to each of the items necessary to access said given item using said graphical user menu system.	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 2[b].

'301 Claim 3

'301 Patent Claim 3	Disclosure
3. The method for navigating according to claim 1, wherein rolling over a selected active link triggers the display of sibling items on the hierarchically subordinate levels	Wroblewski, as evidenced by the example citations below, discloses that rolling over a selected active link triggers the display of sibling items on the hierarchically subordinate levels associated with said selected active link, as this claim limitation appears to be interpreted by Caddo. See e.g.:

'301 Patent Claim 3	Disclosure
associated with said selected active link.	Wroblewski at 56:
mik.	Home > User Information > Resources > Hardware > Origin2000
	Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location.
	• Wroblewski at 58:

Chart A-4

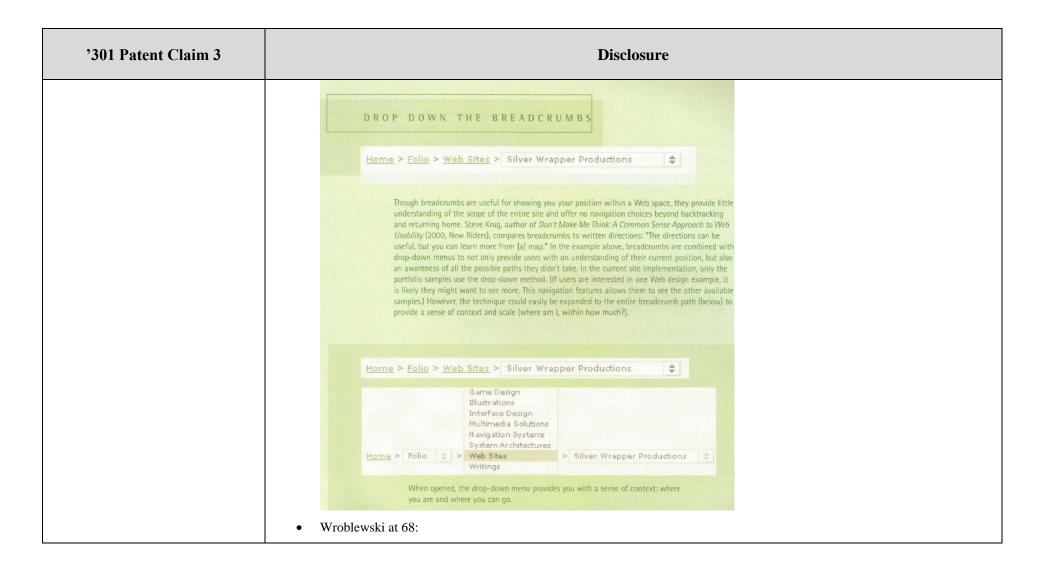


Chart A-4

'301 Patent Claim 3	Disclosure
	GRACE OF DEGRADATION
	Microsoft Internet Explorer 5.0 on the Macintosh
	UKew.com Bio Folio Contio
	Netscape Navigator 6.0 on the Macintosh
	Hame > Folio > Web Sites > Silver Wrapper Productions
	Microsoft Internet Explorer 5.0 on Windows
	Home > Folia > Web Sites > Silver Wrapper Productions
	Netscape Navigator 4.07 on Windows Bio Goding Cooling Coo
	Netscape Navigator 4.7 on the Macintosh
'301 Claim 4	At a minimum, it would have been obvious to a POSITA to include that rolling over a selected active link triggers the display of sibling menu items on the hierarchically subordinate levels. <i>See</i> Exhibits B-1 (displaying sibling items) and B-2 (pre-selecting and rolling over).

'301 Claim 4

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'301 Patent Claim 4	Disclosure
4. The method for navigating according to claim 1, wherein selecting a given active link triggers the execution of a function associated with said given active link.	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim 3.

'301 Claim 5

'301 Patent Claim 5	Disclosure
5. The method for navigating according to claim 1, wherein selecting a given active link triggers display of information associated with said given active link.	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim 4.

'301 Claim 9

'301 Patent Claim 9	Disclosure
9. A method for navigating within a multi-level hierarchical information structure where each level in the structure contains plural items, each said item being at least one of a function, a pointer to a location, and a	To the extent the preamble is limiting, this element is satisfied by the disclosure set forth in connection with the discussion of '411 claim 1 preamble.

'301 Patent Claim 9	Disclosure
pointer to another level, said method comprising the steps of:	
[a] displaying a graphic element representing a root of the hierarchical information structure;	Wroblewski, as evidenced by the example citations below, discloses displaying a graphic element representing a root of the hierarchical information structure, as this claim limitation appears to be interpreted by Caddo. See e.g.:
	 "The first level is included on all the pages within our site in order to provide our audience with a sense of palce and security. Your audience will be confident that they can get through your site if they know they can count on a set of consistent links to be there when they need them." Wroblewski at 48. Wroblewski at 49:

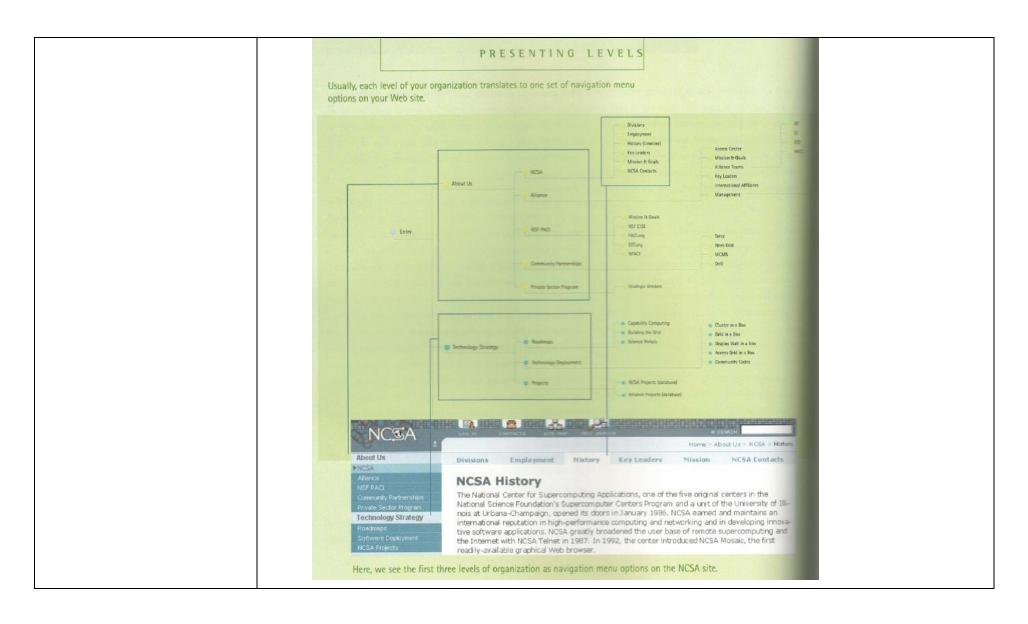


Chart A-4

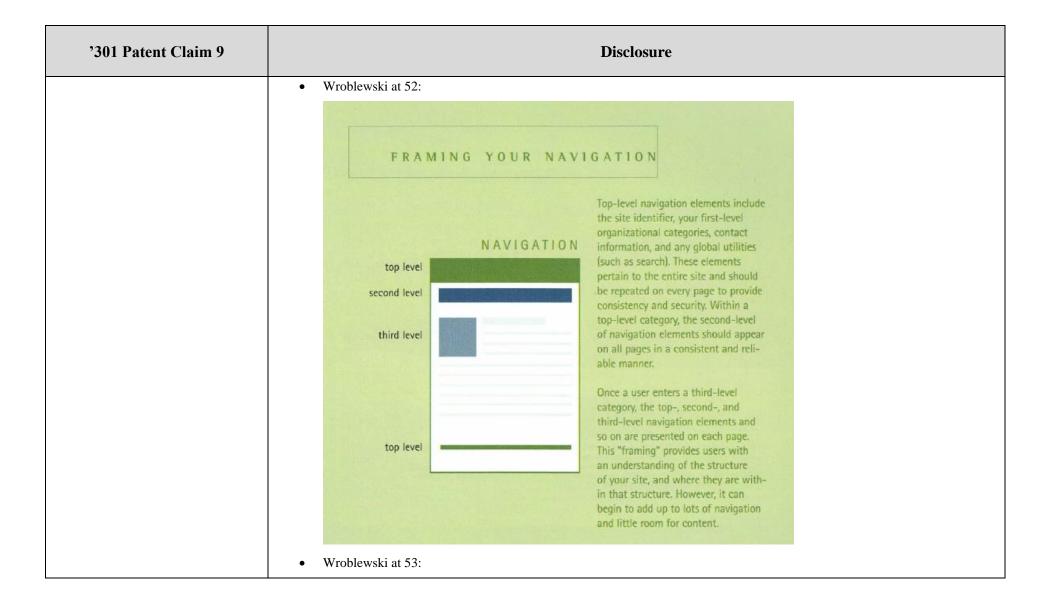


Chart A-4

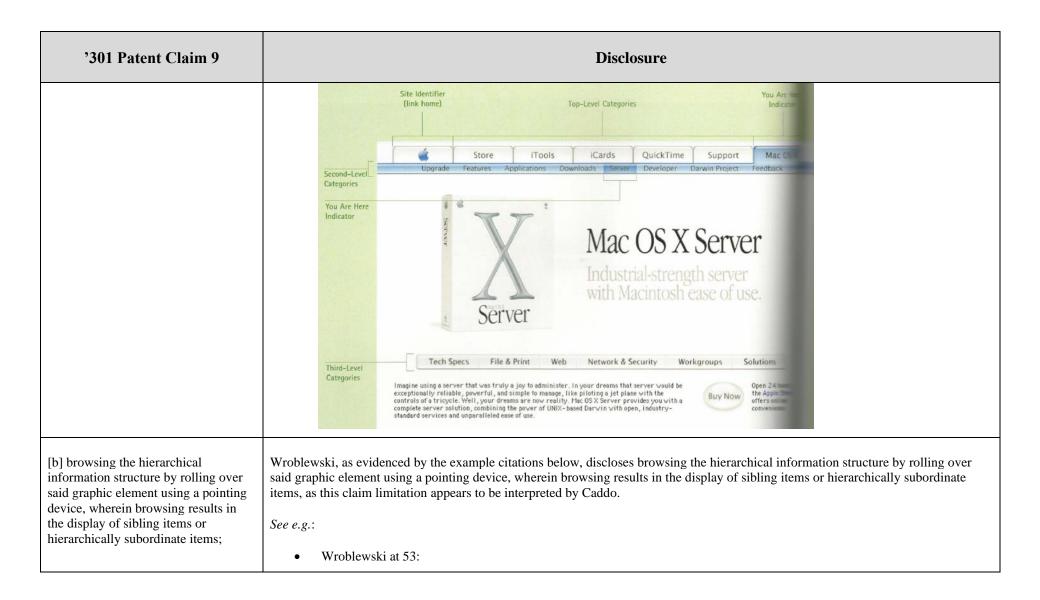
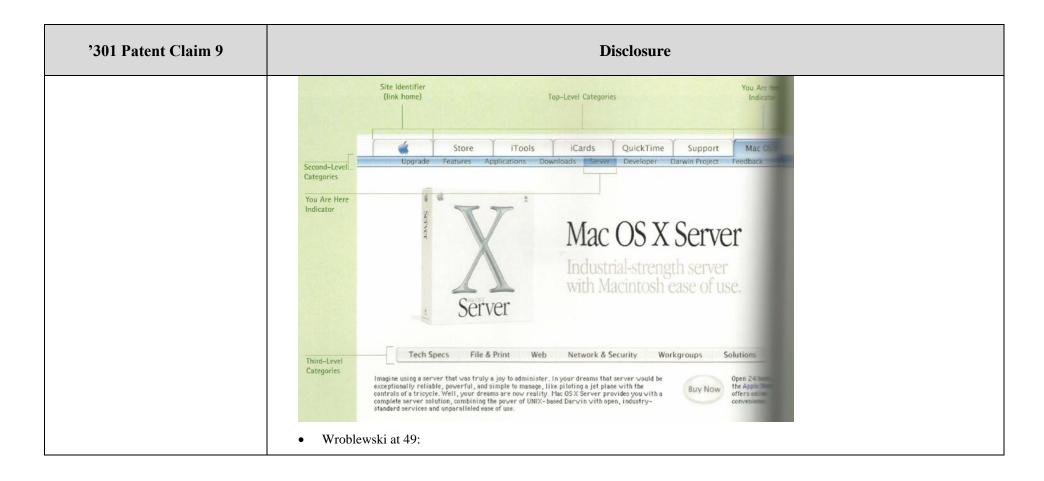


Chart A-4



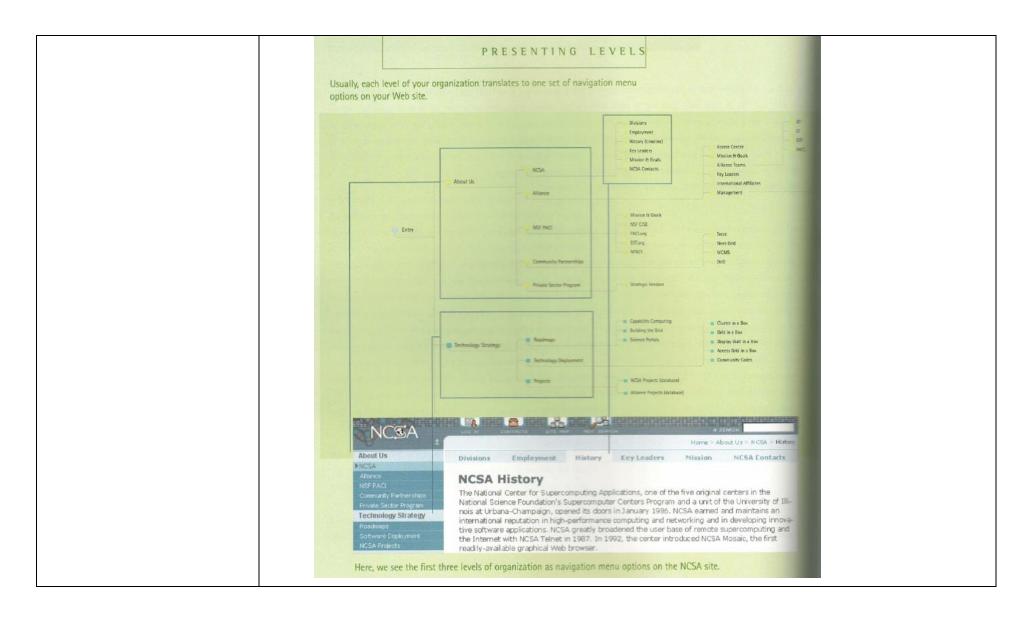


Chart A-4

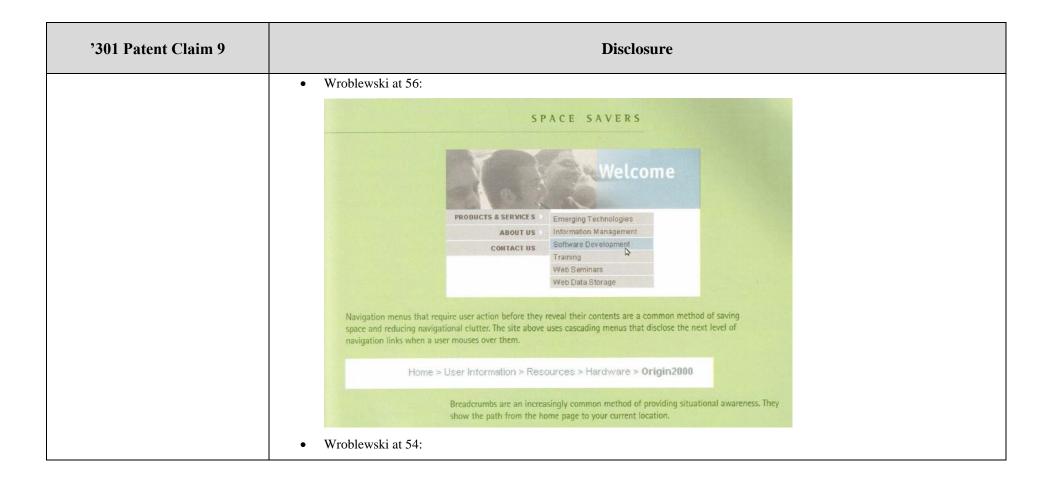


Chart A-4

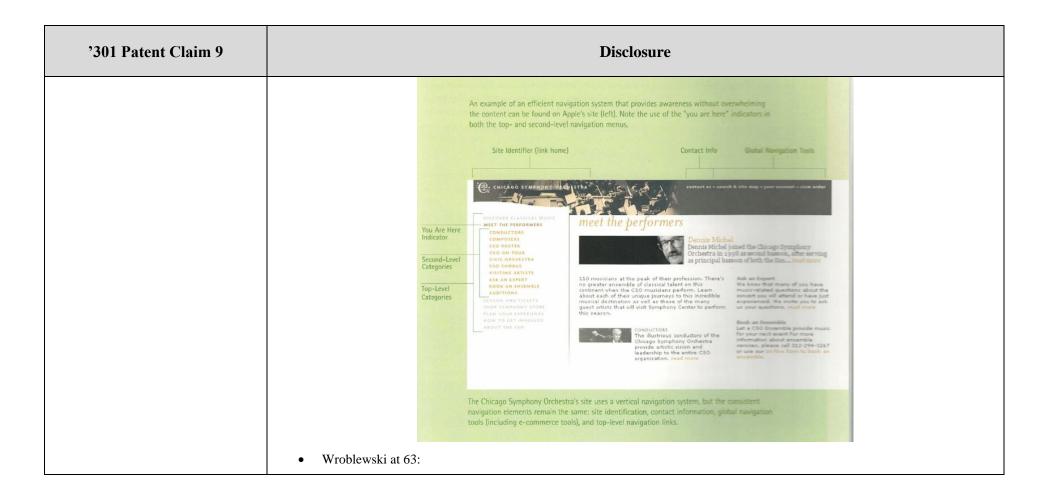


Chart A-4

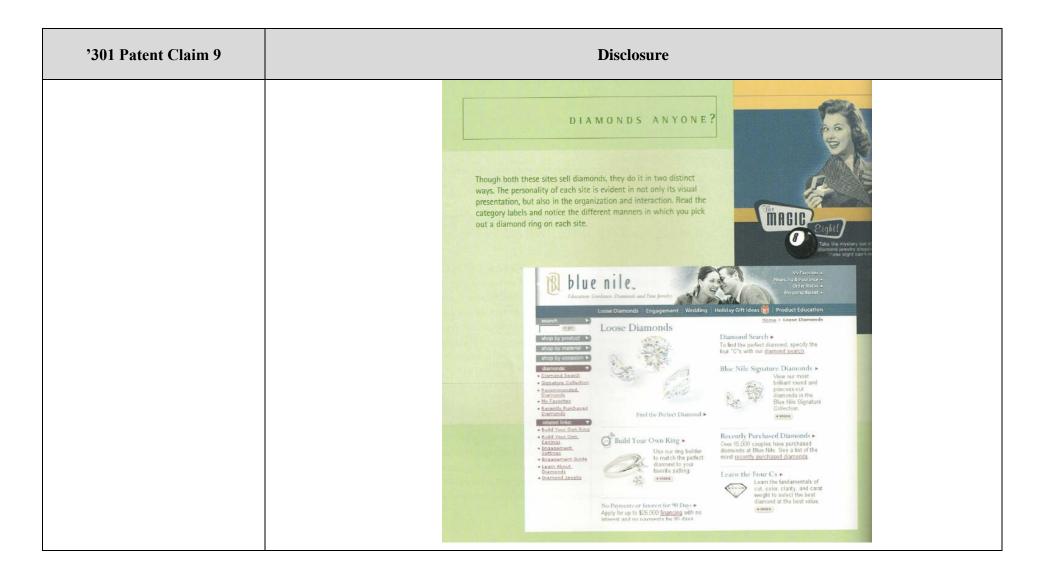


Chart A-4

'301 Patent Claim 9	Disclosure
	At a minimum, it would have been obvious to a POSITA to include browsing the hierarchical information structure by rolling over a graphic to display sibling items or hierarchically subordinate items. <i>See</i> Exhibits B-1 (displaying sibling items) and B-2 (pre-selecting and rolling over).
[c] selecting one of the displayed items;	Wroblewski, as evidenced by the example citations below, discloses selecting one of the displayed items, as this claim limitation appears to be interpreted by Caddo. See e.g.:
	Wroblewski at 56:

Chart A-4

Navigation menus that require user action before they reveal their contents are a common method of saving space and reducing navigational clutter. The site above uses cascading menus that disclose the next level of navigation links when a user mouses over them. Home > User Information > Resources > Hardware > Origin2000 Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location.	'301 Patent Claim 9	Disclosure
widulewski at 34.		Welcome PRODUCTS & SERVICES Emerging Technologies Information Management Software Development Training Web Seminars Web Data Storage Navigation menus that require user action before they reveal their contents are a common method of saving space and reducing navigational clutter. The site above uses cascading menus that disclose the next level of navigation links when a user mouses over them. Home > User Information > Resources > Hardware > Origin2000 Breadcrumbs are an increasingly common method of providing situational awareness. They

Chart A-4

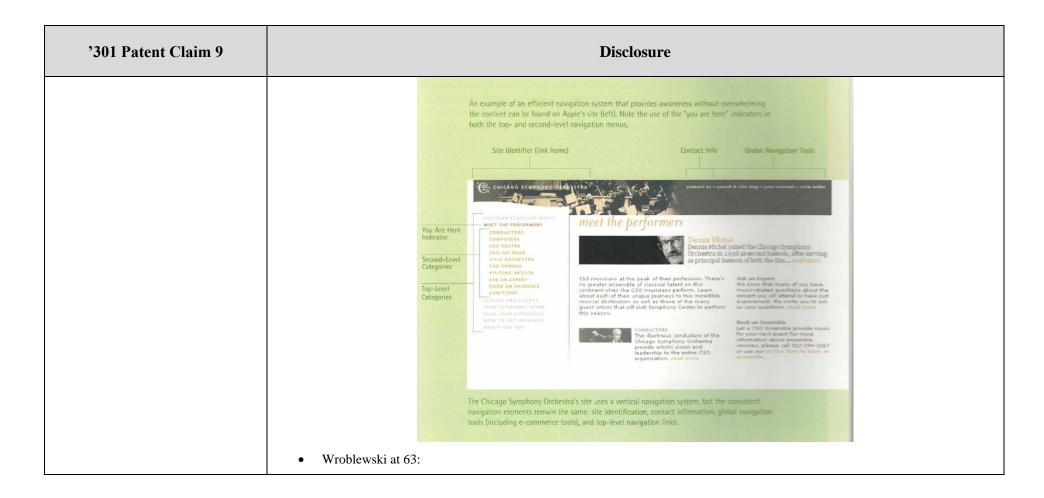


Chart A-4

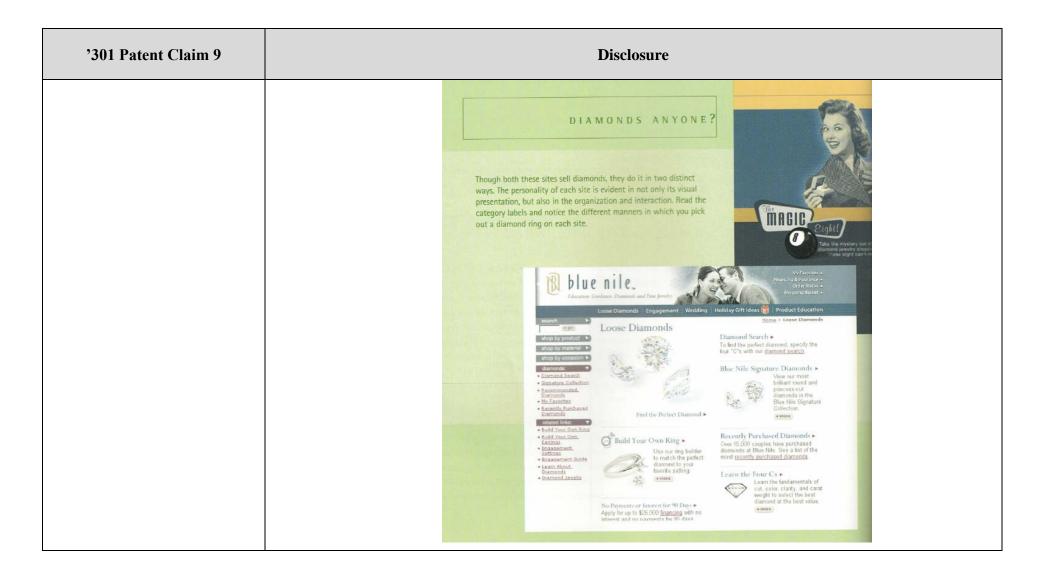


Chart A-4

'301 Patent Claim 9	Disclosure
[d] dynamically constructing an Active Path as a sequence of active links as items are selected, with one said active link corresponding to each of the items selected, said active links providing direct access to one of a function, corresponding level and item without the need to navigate from the root of the hierarchical information structure;	This element is satisfied by the disclosure set forth in connection with the discussion of '301 claim element 1[b].
[e] each said active link enabling the user to directly browse all items on any given level of the hierarchical information structure including all hierarchically subordinate items without affecting the Active Path.	This element is satisfied by the disclosure set forth in connection with the discussion of '301 claim 1[c].

'517 Claim 1-I

'517 Patent Claim 1	Disclosure
1. A method for navigating within a hierarchical menu structure where each level in the menu contains plural items, said method comprising the steps of:	To the extent the preamble is limiting, this element is satisfied by the disclosure set forth in connection with the discussion of '411 claim 1 preamble.

Chart A-4

'517 Patent Claim 1	Disclosure
[a] providing a graphical user menu system displaying the items of a given level and enabling selection thereof, wherein access of said given level requires sequential access of each of the levels preceding said given level in the hierarchy;	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[a].
[b] constructing an Active Path as a sequence of hierarchical active links as items are selected using the graphical user menu system, with one said active link corresponding to each of the items selected, each said active link providing direct access to the hierarchical level from which the corresponding item was selected without using said graphical user menu system; and	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[b].
[c] displaying the Active Path as an alternative to the graphical user menu system for navigating the menu structure after the user has finished selecting items using the graphical user system such that the Active Path is displayed;	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[c].

Chart A-4

'517 Patent Claim 1	Disclosure
[d] wherein rolling over a given active link with the pointer of a pointing device triggers the display of menu items on the hierarchical level associated with said given active link without disturbing the displayed Active Path.	Wroblewski, as evidenced by the example citations below, discloses that rolling over a given active link with the pointer of a pointing device triggers the display of menu items on the hierarchical level associated with said given active link without disturbing the displayed Active Path, as this claim limitation appears to be interpreted by Caddo. See e.g.: • Wroblewski at 56:
	Home > User Information > Resources > Hardware > Origin2000 Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location. • Wroblewski at 58:

Chart A-4

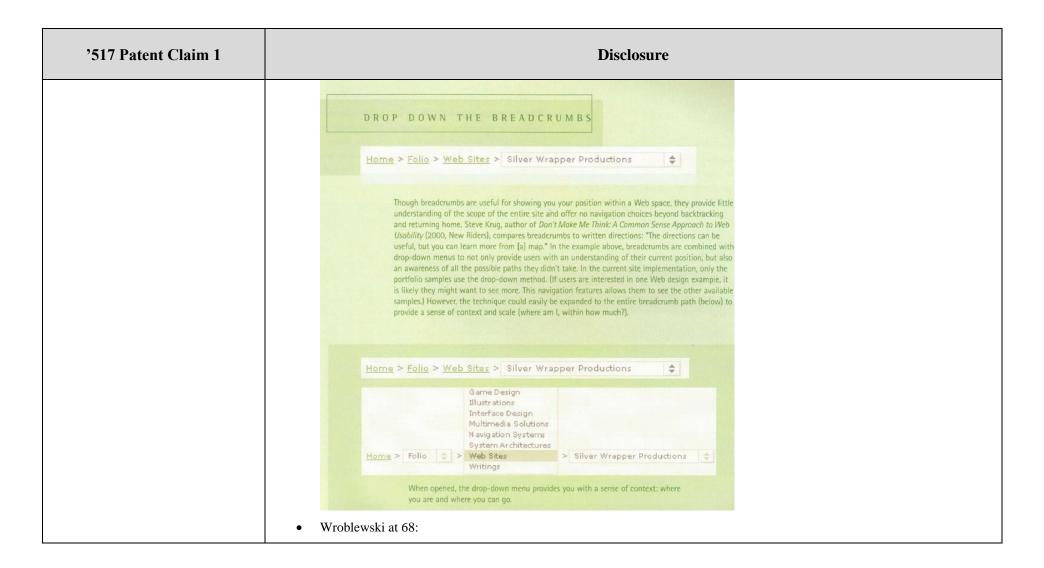


Chart A-4

'517 Patent Claim 1	Disclosure
	GRACE OF DEGRADATION
	Likew.com Bio Folio Coollo
	Microsoft Internet Explorer 5.0 on the Macintosh
	Hame > Folio > Web Sites > Silver Wrapper Productions
	Netscape Navigator 6.0 on the Macintosh Bio Depolio Coolio
	Home > Folio > Web Sites > Silver Wrapper Productions Microsoft Internet Explorer 5.0 on Windows
	Bio Brotio Boolio
	Netscape Navigator 4.07 on Windows
	Hame > Folio > Web Sites > Silver Wrapper Productions \$
	Netscape Navigator 4.7 on the Macintosh
	At a minimum, it would have been obvious to a POSITA to include rolling over a given active link with the pointer of a pointing device. <i>See</i> Exhibit B-2.

'517 Claim 2

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'517 Patent Claim 2	Disclosure
2. The method for navigating according to claim 1, further comprising:	
[a] providing pre-defined short-cuts enabling direct access to a given menu item; and	This element is satisfied by the disclosure set forth in connection with the discussion of '301 claim element 2[a].
[b] automatically constructing the Active Path when a pre-defined short-cut is executed, with one said active link corresponding to each of the menu items necessary to access said given menu item using said graphical user menu system.	This element is satisfied by the disclosure set forth in connection with the discussion of '301 claim element 2[b].

'517 Claim 3

'517 Patent Claim 3	Disclosure
3. The method for navigating according to claim 1, wherein rolling over a selected active link triggers the display of sibling items on the hierarchically subordinate levels	Wroblewski, as evidenced by the example citations below, discloses that rolling over a selected active link triggers the display of sibling items on the hierarchically subordinate levels associated with said selected active link, as this claim limitation appears to be interpreted by Caddo. See e.g.:

'517 Patent Claim 3	Disclosure
associated with said selected active link.	Wroblewski at 56:
	Home > User Information > Resources > Hardware > Origin2000 Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location.
	Wroblewski at 58:

Chart A-4

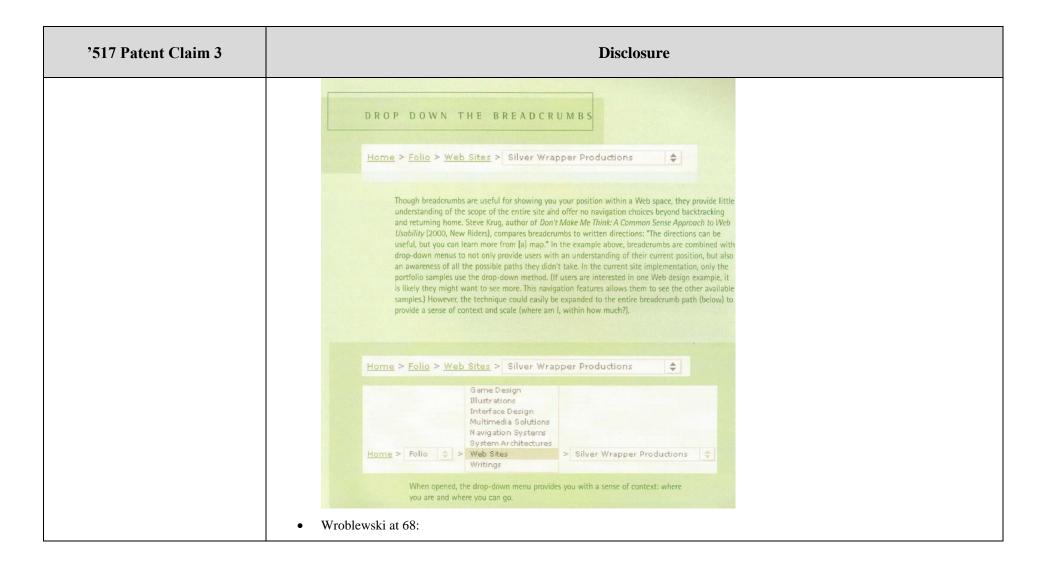


Chart A-4

'517 Patent Claim 3	Disclosure
	GRACE OF DEGRADATION
	Bio Goolle Goolle Home > Follo > Web Sites > Silver Wrapper Productions \$
	Microsoft Internet Explorer 5.0 on the Macintosh.
	Netscape Navigator 6.0 on the Macintosh
	Microsoft Internet Explorer 5.0 on Windows
	Home > Folin > Meb Sites > Silver Wrapper Productions
	Netscape Navigator 4.07 on Windows
	Hame > Folio > Web Sites > Silver Wrapper Productions Netscape Navigator 4.7 on the Macintosh
	At a minimum, it would have been obvious to a POSITA to include that pre-selecting a given active link triggers the display of sibling menu items. <i>See</i> Exhibits B-1 (displaying sibling items) and B-2 (pre-selecting and rolling over).
7545 Cl : 4	menu nems. See Exmons D-1 (displaying sioning nems) and D-2 (pre-selecting and forming over).

'517 Claim 4

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'517 Patent Claim 4	Disclosure
4. The method for navigating according to claim 3, wherein browsing a given active menu item triggers the display of subordinate menu items.	This claim is satisfied by the disclosure set forth in connection with the discussion of '411 claim 6.

'517 Claim 5

'517 Patent Claim 5	Disclosure
5. The method for navigating according to claim 1, wherein selecting a given active link triggers the execution of a function associated with said given active link.	This claim is satisfied by the disclosure set forth in connection with the discussion of '301 claim 4.

'517 Claim 6

'517 Patent Claim 6	Disclosure
6. The method for navigating according to claim 1, wherein selecting a given active link triggers display of information associated with said given active link.	This claim is satisfied by the disclosure set forth in connection with the discussion of '411 claim 4.

'836 Claim 1-I

'836 Patent Claim 1	Disclosure
1. A method for navigating within a multi-level hierarchical information structure where each level in the menu contains plural items, each said item being at least one of a function, a pointer to a location, and a pointer to another level, said method comprising the steps of:	To the extent the preamble is limiting, this element is satisfied by the disclosure set forth in connection with the discussion of '411 claim 1 preamble.
[a] providing a graphical user menu system displaying the items of a given level of the hierarchical information structure and enabling selection thereof and	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim 1[a].
[b] constructing an Active Path as a sequence of active links as the user navigates the information structure using the graphical user menu system, with one said active link corresponding to each of the hierarchical levels accessed by the user, said active links providing direct access to one of a function, corresponding level and menu item	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim 1[b].

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'836 Patent Claim 1	Disclosure
without the need to navigate using said graphical user menu system;	
[c] a given said active link enabling the user to browse items of the hierarchical information structure starting from the level corresponding with the given active link and items on hierarchically subordinate levels without affecting the Active Path.	This element is satisfied by the disclosure set forth in connection with the discussion of '301 claim element 1[c].

'836 Claim 2

'836 Patent Claim 2	Disclosure
2. The method for navigating according to claim 1, further comprising:	
[a] providing pre-defined short-cuts enabling direct access to a given menu item; and	This element is satisfied by the disclosure set forth in connection with the discussion of '301 claim element 2[a].
[b] dynamically constructing the Active Path when a pre-defined short-cut is executed, with one said active link corresponding to each of the	This element is satisfied by the disclosure set forth in connection with the discussion of '301 claim element 2[b].

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'836 Patent Claim 2	Disclosure
menu items necessary to access said given menu item using said graphical user menu system.	

'836 Claim 3

'836 Patent Claim 3	Disclosure
3. The method for navigating according to claim 1, wherein rolling over a selected active link triggers the display of sibling menu items on the hierarchically subordinate levels associated with said selected active link.	This element is satisfied by the disclosure set forth in connection with the discussion of '301 claim 3.

'836 Claim 4

'836 Patent Claim 4	Disclosure
4. The method for navigating according to claim 1, wherein selecting a given active link triggers the execution of a function associated with said given active link.	This claim is satisfied by the disclosure set forth in connection with the discussion of '301 claim 4.

^{&#}x27;836 Claim 5

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'836 Patent Claim 5	Disclosure
5. The method for navigating according to claim 1, wherein selecting a given active link triggers display of information associated with said given active link.	This claim is satisfied by the disclosure set forth in connection with the discussion of '411 claim 4.

'836 Claim 7

'836 Patent Claim 7	Disclosure
7. The method according to claim 1, wherein the multi-level hierarchical information structure is a website.	Wroblewski, as evidenced by the example citations below, discloses that the multi-level hierarchical information structure is a website, as this claim limitation appears to be interpreted by Caddo. See e.g.: • Wroblewski at 49:

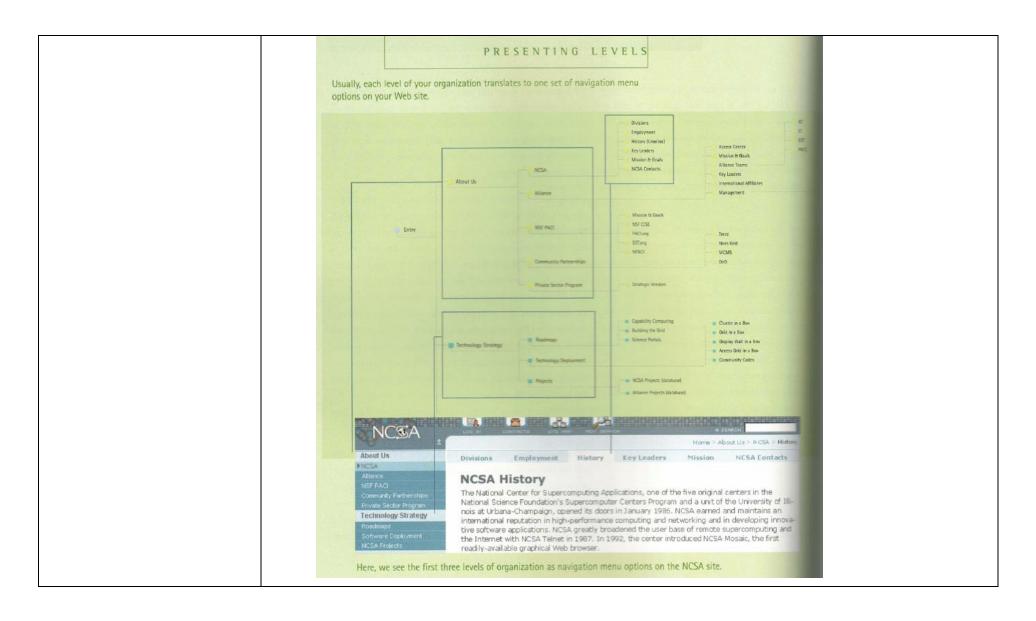
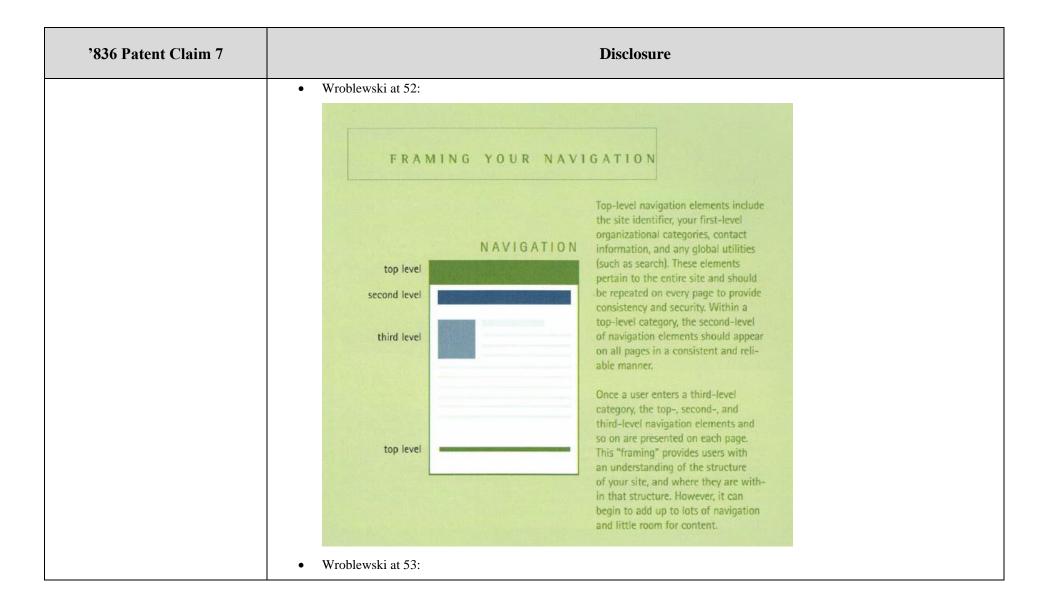


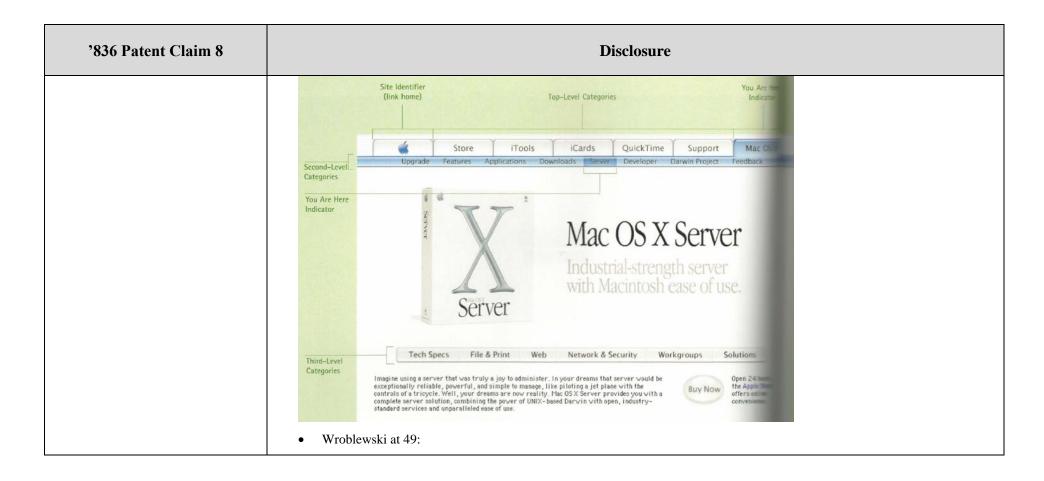
Chart A-4



'836 Claim 8-I

'836 Patent Claim 8	Disclosure
8. A method for navigating websites including a plurality of hierarchically organized web pages, said method comprising:	To the extent the preamble is limiting, Wroblewski, as evidenced by the example citations below, discloses a method for navigating within a multi-level hierarchical collapsing menu structure where each level in the menu contains plural items, each said item being at least one of a function, a pointer to a location, and a pointer to another level, as this language appears to be interpreted by Caddo. See e.g.: • Wroblewski at 53:

Chart A-4



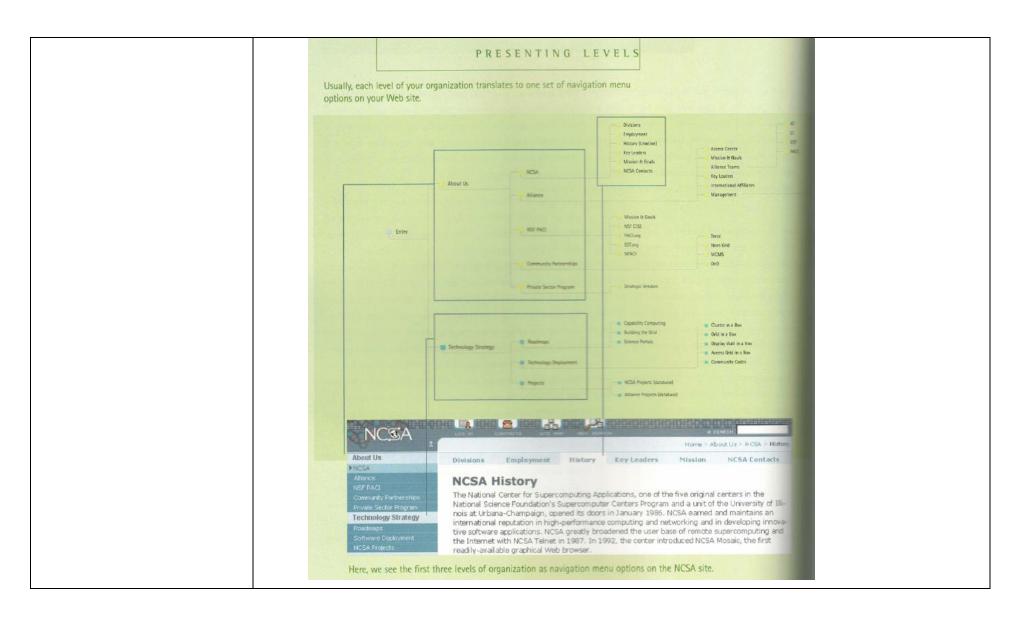


Chart A-4

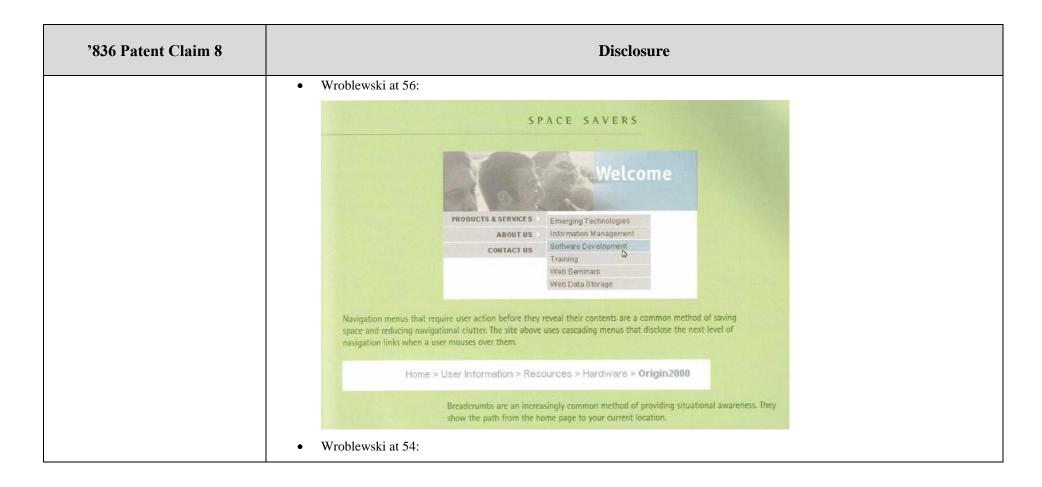


Chart A-4

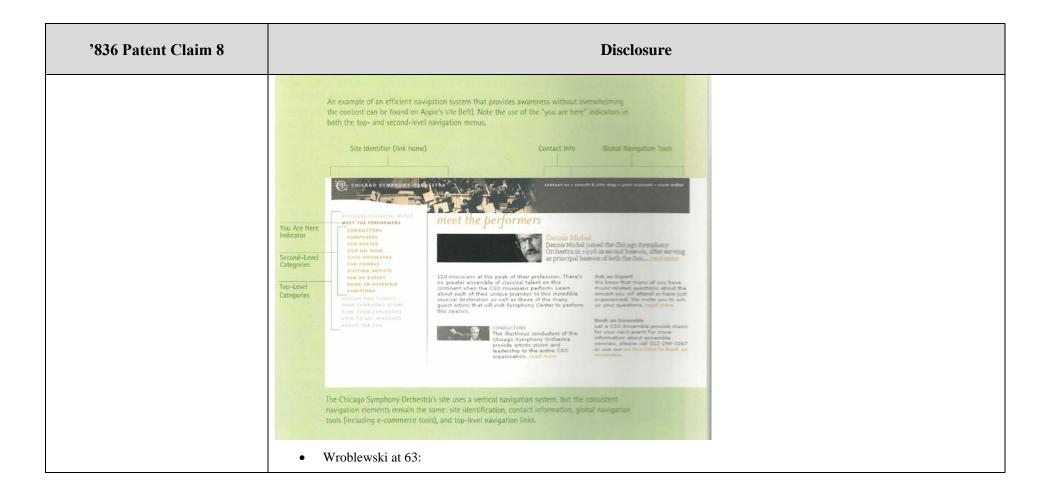


Chart A-4

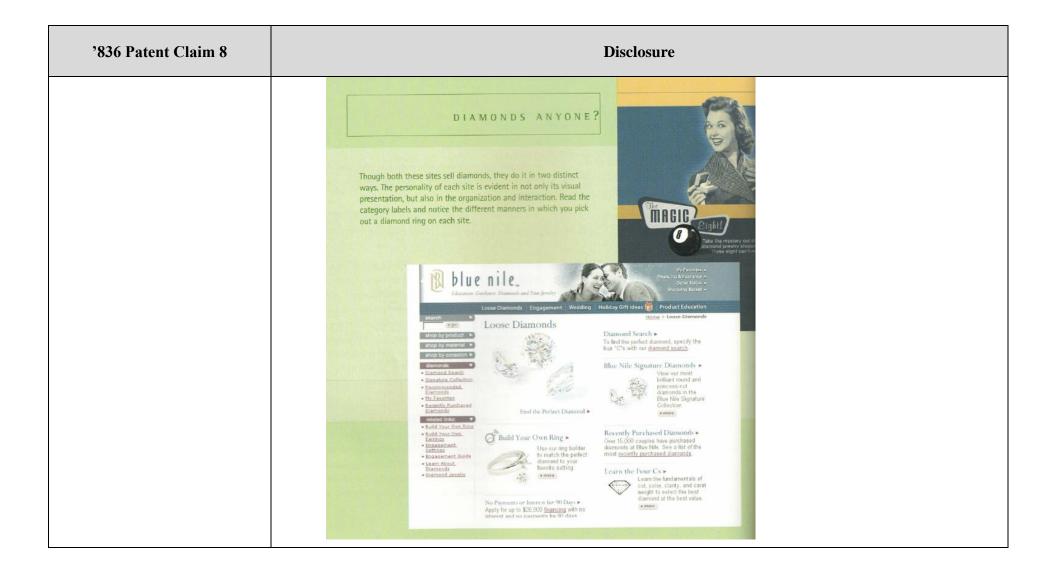
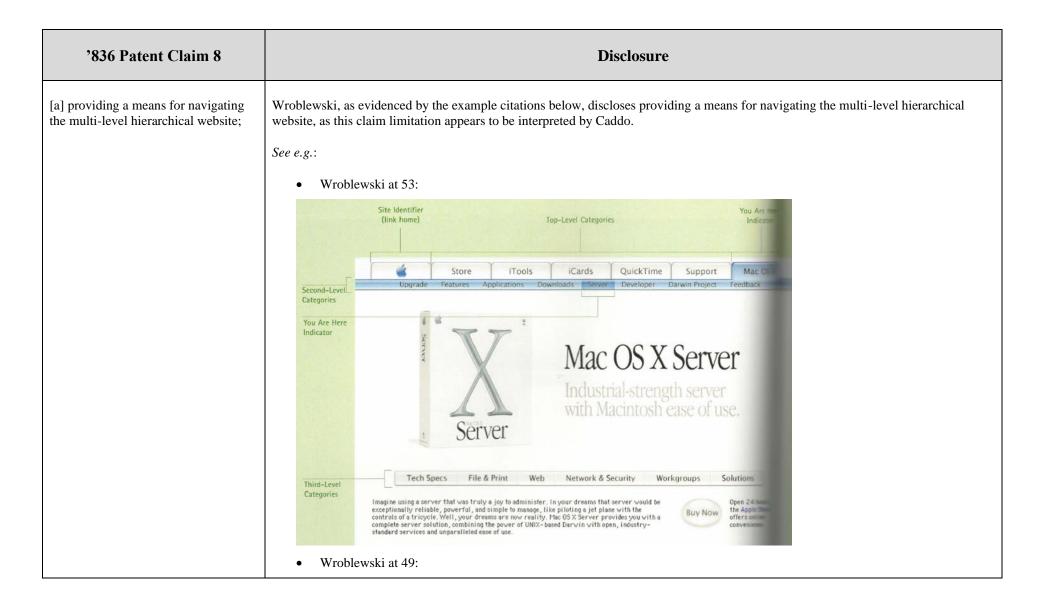


Chart A-4



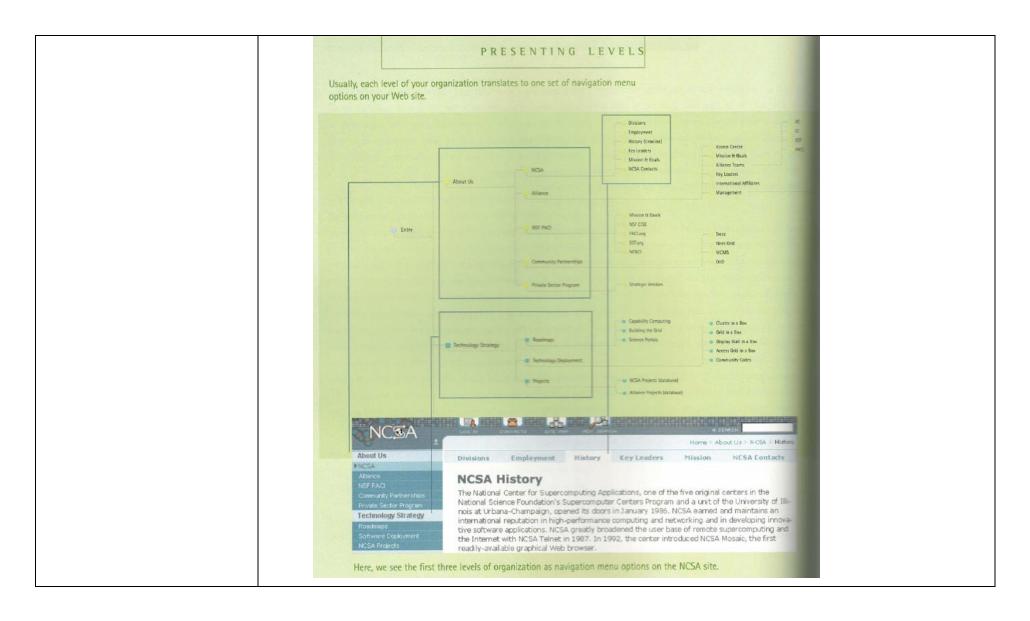


Chart A-4

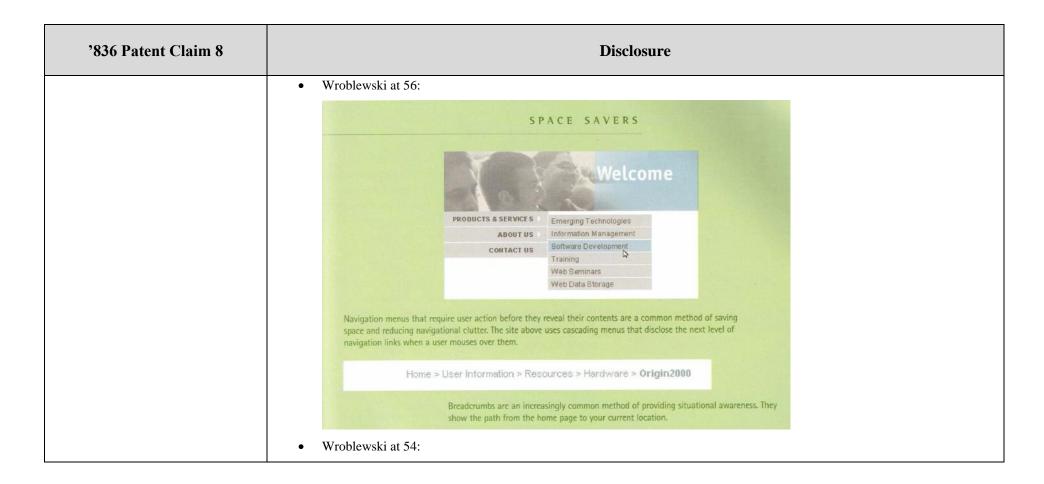


Chart A-4

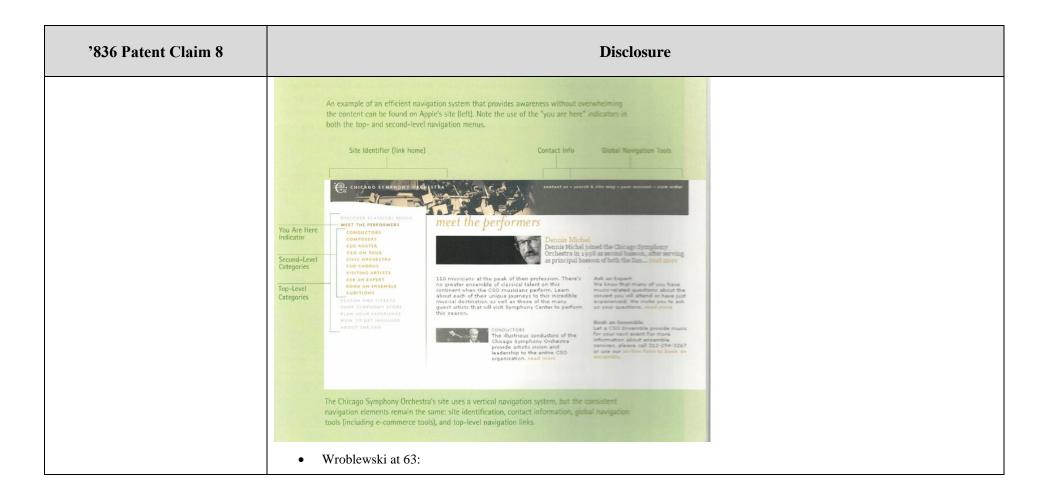


Chart A-4

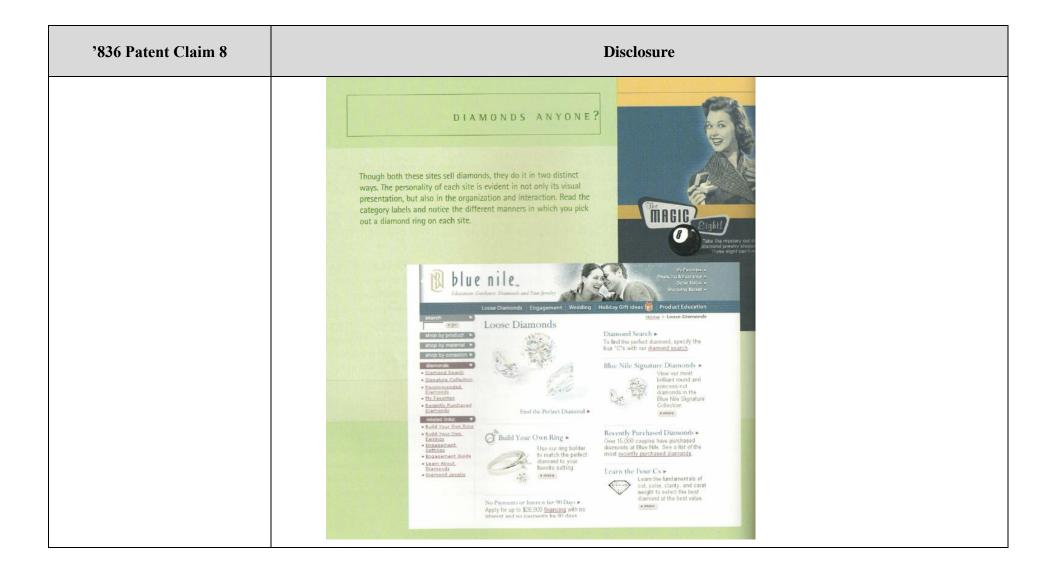


Chart A-4

'836 Patent Claim 8	Disclosure
[b] dynamically constructing an Active Path as a sequence of active links as the user navigates the multilevel hierarchical website, wherein each said active link corresponds to a level in the hierarchical structure; wherein a user may directly access any given level of the hierarchical structure by selecting a given said active link;	This element is satisfied by the disclosure set forth in connection with the discussion of '301 claim element 1[b].
[c] each said active link providing the user the ability to directly browse items on any given level of the hierarchical menu structure and hierarchically subordinate items without affecting the Active Path.	This element is satisfied by the disclosure set forth in connection with the discussion of '301 claim element 1[c].

'880 Claim 1-I

'880 Patent Claim 1	Disclosure
1. A method of navigating an information structure comprising:	To the extent the preamble is limiting, this element is satisfied by the disclosure set forth in connection with the discussion of '411 claim 1 preamble and '301 claim 1 preamble.

Chart A-4

'880 Patent Claim 1	Disclosure
[a] providing a graphical menu interface displaying the items of a given level of the information structure and enabling selection thereof;	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[a] and '301 claim element 1[a].
[b] dynamically constructing an active path as a sequence of active links after an item of the information structure has been selected;	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[b] and '301 claim element 1[b].
[c] upon provisional selection of any said active link, displaying one or more items on a given level of the information structure without affecting the active path; and	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[d].
[d] said active links allowing a user to access an item in the information structure by selecting from the one or more items displayed by one of the active links on the active path.	Wroblewski, as evidenced by the example citations below, discloses that the active links allow a user to access an item in the information structure by selecting from the one or more items displayed by one of the active links on the active path., as this claim limitation appears to be interpreted by Caddo. See e.g.: • Wroblewski at 56:

'880 Patent Claim 1	Disclosure
	Home > User Information > Resources > Hardware > Origin2000
	Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location.
	• Wroblewski at 58:

Chart A-4

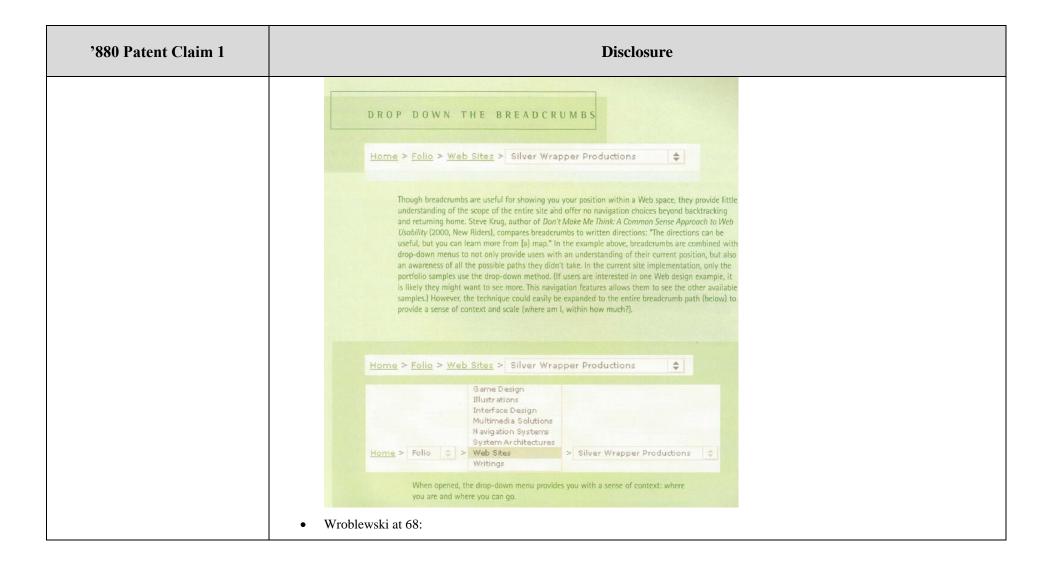


Chart A-4

'880 Patent Claim 1	Disclosure
	GRACE OF DEGRADATION
	Microsoft Internet Explorer 5.0 on the Macintosh
	Hame > Folio > Web Sites > Silver Wrapper Productions
	Netscape Navigator 6.0 on the Macintosh
	Likew.com Bio Debito D
	Home > Folia > Web Sizes > Silver Wrapper Productions
	Netscape Navigator 4.07 on Windows

'880 Patent Claim 3	Disclosure
3. The method of claim 1, wherein the one or more active links allow the display of one or more items on a	This element is satisfied by the disclosure set forth in connection with the discussion of '517 claim element 1[d].

'880 Patent Claim 3	Disclosure
given level of the information structure when a pointer is rolled over one of the active links.	

^{&#}x27;880 Claim 4

'880 Patent Claim 4	Disclosure
4. The method of claim 1, wherein the one or more active links allow the display of one or more items on a given level of the information structure when one of the active links is selected.	Wroblewski, as evidenced by the example citations below, discloses that one or more active links allow the display of one or more items on a given level of the information structure when one of the active links is selected, as this claim limitation appears to be interpreted by Caddo. See e.g.: • Wroblewski at 56:
	Home > User Information > Resources > Hardware > Origin2000 Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location. • Wroblewski at 58:

Chart A-4

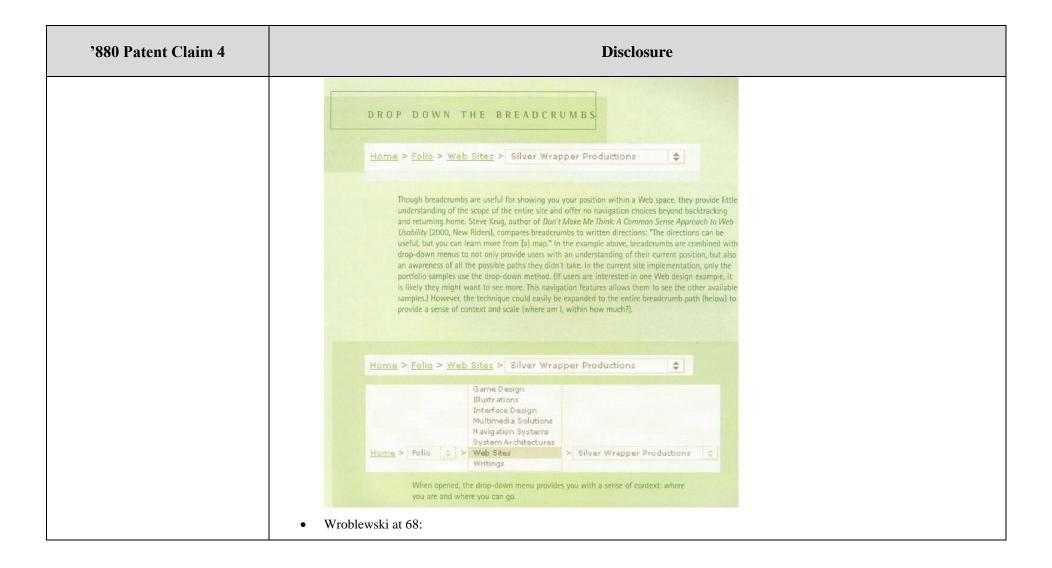


Chart A-4

'880 Patent Claim 4	Disclosure
	GRACE OF DEGRADATION
	Home > Folio > Web Sites > Silver Wrapper Productions \$
	Microsoft Internet Explorer 5.0 on the Macintosh
	Home > Folio Prolio Contio
	Netscape Navigator 6.0 on the Macintosh
	Home > Folio > Web Sites > Silver Wrapper Productions
	Microsoft Internet Explorer 5.0 on Windows
	Home > Folia > Web Sizes > Silver Wrapper Productions
	Netscape Navigator 4.07 on Windows
	Hame > Follo > Web Sites > Silver Wrapper Productions \$
1000 CI : 5	Netscape Navigator 4.7 on the Macintosh

'880 Patent Claim 5	Disclosure
5. The method of claim 1, wherein the one or more active links allow the display of one or more items on a given level of the information structure when a visual icon associated with one of the active links is selected.	Wroblewski, as evidenced by the example citations below, discloses that one or more active links allow the display of one or more items on a given level of the information structure when a visual icon associated with one of the active links is selected, as this claim limitation appears to be interpreted by Caddo. See e.g.: Wroblewski at 56: Home > User Information > Resources > Hardware > Origin2000 Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location. Wroblewski at 58:

Chart A-4

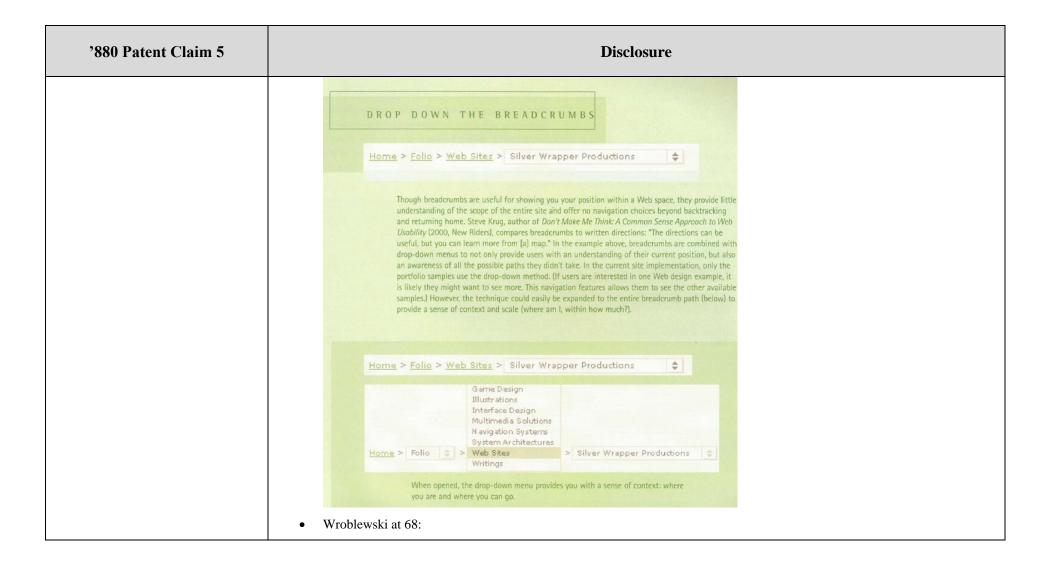


Chart A-4

'880 Patent Claim 5	Disclosure
	GRACE OF DEGRADATION
	Home > Folio > Web Sites > Silver Wrapper Productions Coolio
	Microsoft Internet Explorer 5.0 on the Macintosh
	Home > Folio > Web Sites > Silver Wrapper Productions
	Netscape Navigator 6.0 on the Macintosh
	Home > Folio > Web Sitez > Silver Wrapper Productions
	Microsoft Internet Explorer 5.0 on Windows
	Home > Folio Defolio Defolio
	Netscape Navigator 4.07 on Windows
	Home > Folio > Web Sites > Salver Wrapper Productions \$
	Netscape Navigator 4.7 on the Macintosh

'880 Patent Claim 6	Disclosure
6. The method of claim 1, wherein the active links in the active path allow the display of one or more items on a	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[d].

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'880 Patent Claim 6	Disclosure
given level of the information structure without changing the active path.	

'880 Claim 7

'880 Patent Claim 7	Disclosure
7. The method of claim 1, wherein a user may directly access one or more active links in the active path by selecting the active link.	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[b].

'880 Patent Claim 8	Disclosure
8. The method of claim 7, wherein the selection of an active link causes the active path to truncate to the selected	Wroblewski, as evidenced by the example citations below, discloses that the selection of an active link causes the active path to truncate to the selected active link, as this claim limitation appears to be interpreted by Caddo.
active link.	See e.g.: • Wroblewski at 56:

'880 Patent Claim 8	Disclosure
	Home > User Information > Resources > Hardware > Origin2000
	Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location.
	• Wroblewski at 58:

Chart A-4



Chart A-4

'880 Patent Claim 8	Disclosure
	GRACE OF DEGRADATION Continuous Continu
	Bio Folio Coolio Home > Folio Web Sites > Silver Wrapper Productions Microsoft Internet Explorer 5.0 on Windows Bio Folio Coolio Home > Folio Meb Sites > Silver Wrapper Productions Netscape Navigator 4.07 on Windows
2000 Claim 0	Netscape Navigator 4.7 on the Macintosh At a minimum, it would have been obvious to a POSITA to include that the selection of an active link causes the active path to truncate to the selected active link. See Exhibit B-3.

'880 Patent Claim 9	Disclosure
9. The method of claim 1, further providing pre-defined shortcuts that enable direct access to a given item in the information structure, wherein selection of a predefined shortcut dynamically constructs an active path including one active link corresponding to each item necessary to navigate to the given item in the information structure.	Wroblewski, as evidenced by the example citations below, discloses that providing pre-defined shortcuts that enable direct access to a given item in the information structure, wherein selection of a predefined shortcut dynamically constructs an active path including one active link corresponding to each item necessary to navigate to the given item in the information structure, as this claim limitation appears to be interpreted by Caddo. See e.g.: • Wroblewski at 56: Home > User Information > Resources > Hardware > Origin2000 Breadcrumbs are an increasingly common method of providing situational awareness. They show the path from the home page to your current location.

Chart A-4



Chart A-4

'880 Patent Claim 9	Disclosure
	GRACE OF DEGRADATION
	Home > Folio > Web Sites > Silver Wrapper Productions \$\delta = \frac{1}{2} \text{ Home } > \frac{1}{2} \text{ Wrapper Productions } \delta = \
	Microsoft Internet Explorer 5.0 on the Macintosh
	Hame > Folia > Web Sites > Silver Wrapper Productions
	Bio Drolio Decolio
	Hame > Folio > Web Sitez > Bilver Wrapper Productions Microsoft Internet Explorer 5.0 on Windows
	Lukew.com Blo Delio Coolio Home > Folio > Mab Sites > Silver Wrapper Productions
	Netscape Navigator 4.07 on Windows
	Hame > Folio > Web Sites > Saver Wrapper Productions \$
	Netscape Navigator 4.7 on the Macintosh At a minimum, it would have been obvious to a POSITA to include pre-defined short-cuts enabling direct access to a given item. See
1000 Cl.: 10 I	Exhibit B-4.

'880 Claim 10-I

'880 Patent Claim 10	Disclosure
10. An apparatus for navigating an information structure, the apparatus including a processor configured to:	To the extent the preamble is limiting, this element is satisfied by the disclosure set forth in connection with the discussion of '411 claim 1 preamble and '301 claim 1 preamble and '880 claim 1 preamble. Wroblewski, as evidenced by the example citations below, discloses a processor, as this claim limitation appears to be interpreted by Caddo. See e.g.:
	Store Too-Level Categories Store Too-Level Categories Store Too-Level Categories Store Too-Level Categories Second-Level Categories You Are Here Indicator You Are Here Indicator Third-Level Categories Tech Specs File & Print Web Network & Security Workgroups Solutions Imagine using a server that was truly a joy to administer. In your dreams that server would be exceptionally reliable, powerful, and simple to manage, like piloting a jet place with the controls of a tricycle view, just your groups and trule was drived by the controls of a tricycle view, just your dreams that server would be exceptionally reliable, powerful, and simple to manage, like piloting a jet place with the controls of a tricycle view, just your groups was used to see the powerful printing the power of UNIX-based Bury in vith appe, Indicative and the power of UNIX-based Bury in vith appe, Indicative and the power of UNIX-based Bury in vith appe, Indicative and the power of UNIX-based Bury in vith appe, Indicative and the power of UNIX-based Bury in vith appe, Indicative and the power of UNIX-based Bury in vith appe, Indicative and the power of UNIX-based Bury in vith appe, Indicative and the power of UNIX-based Bury in vith appe, Indicative and the power of UNIX-based Bury in vith appe, Indicative and the power of UNIX-based Bury in vith apper the power of UNIX-based Bury in vith apper to the power of UNIX-based Bury in vith apper to the power of UNIX-based Bury in vith apper to the power of UNIX-based Bury in vith apper to the power of UNIX-based Bury in vith apper to the power of UNIX-based Bury in vith apper to the power of UNIX-based Bury in vith apper to the power of UNIX-based Bury in vith apper to the power of UNIX-based Bury in vith apper to the power of UNIX-based Bury in vith apper to the power of UNIX-based Bury in vith apper to the power of UNIX-based Bury in vith apper to the power of UNIX-based Bury in vith apper to the power of UNIX-based Bury in vith apper to the power of UNIX-based Bury in vith apper to the power o

Chart A-4

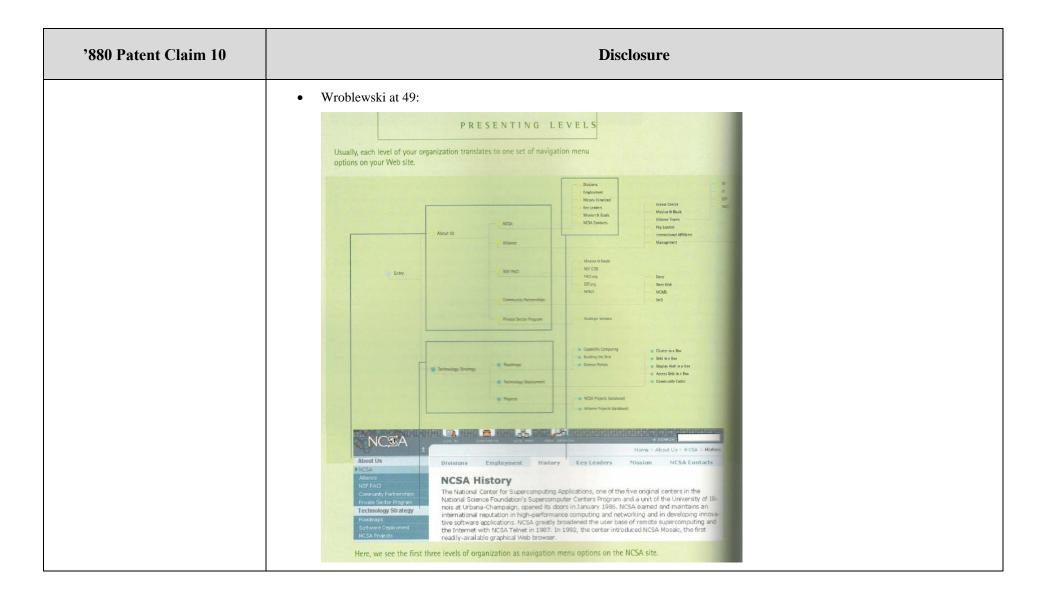
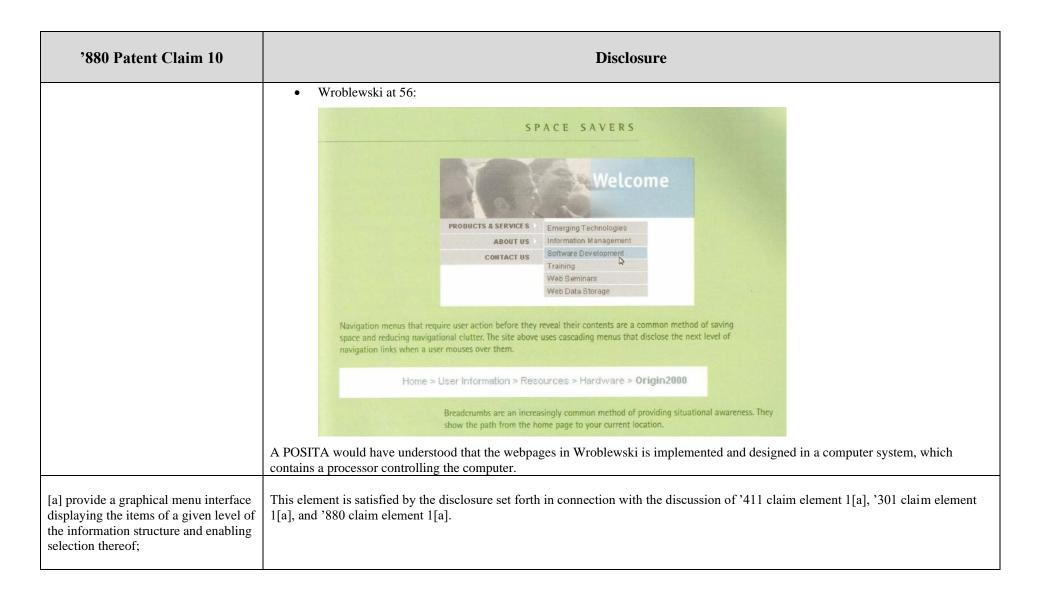


Chart A-4



Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'880 Patent Claim 10	Disclosure
[b] dynamically construct an active path as a sequence of active links after an item of the information structure has been selected;	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[b], '301 claim element 1[b], and '880 claim element 1[b].
[c] upon provisional selection of a given one of said active links, display one or more items on a given level of the information structure associated with said provisionally selected active link without affecting the active path; and	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[d] and '880 claim element 1[c].
[d] allow a user to access an item in the information structure by selecting the item from the one or more items displayed by one of the active links on the active path.	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim element 1[d].

'880 Patent Claim 12	Disclosure
12. The apparatus of claim 10, wherein the one or more active links allow the display of one or more items on a given level of the information	This claim is satisfied by the disclosure set forth in connection with the discussion of '880 claim 3.

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'880 Patent Claim 12	Disclosure
structure when a pointer is rolled over one of the active links.	

'880 Patent Claim 13	Disclosure
13. The apparatus of claim 10, wherein the one or more active links allow the display of one or more items on a given level of the information structure when one of the active links is selected.	This claim is satisfied by the disclosure set forth in connection with the discussion of '880 claim 4.

^{&#}x27;880 Claim 14

'880 Patent Claim 14	Disclosure
14. The apparatus of claim 10, wherein the one or more active links allow the display of one or more items on a given level of the information structure when a visual icon associated with one of the active links is selected.	This claim is satisfied by the disclosure set forth in connection with the discussion of '880 claim 5.

^{&#}x27;880 Claim 15

'880 Patent Claim 15	Disclosure
15. The apparatus of claim 10, wherein the active links in the active path allow the display of one or more items on a given level of the information structure without changing the active path.	This claim is satisfied by the disclosure set forth in connection with the discussion of '880 claim 6.

^{&#}x27;880 Claim 16

'880 Patent Claim 16	Disclosure
16. The apparatus of claim 10, wherein a user may directly access one or more active links in the active path by selecting the active link.	This claim is satisfied by the disclosure set forth in connection with the discussion of '880 claim 7.

^{&#}x27;880 Claim 17

'880 Patent Claim 17	Disclosure
17. The apparatus of claim 16, wherein the selection of an active link causes the active path to truncate to the selected active link.	This claim is satisfied by the disclosure set forth in connection with the discussion of '880 claim 8.

^{&#}x27;880 Claim 18

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'880 Patent Claim 18	Disclosure
18. The apparatus of claim 10 further configured to provide pre-defined shortcuts to enable access to a given item in the information structure, wherein selection of a pre-defined shortcut dynamically constructs an active path including one active link corresponding to each item necessary to navigate to the given item in the information structure.	This claim is satisfied by the disclosure set forth in connection with the discussion of '880 claim 9.

'880 Patent Claim 19	Disclosure
19. The apparatus of claim 10, wherein two functions are associated with at least one of said active links.	Wroblewski, as evidenced by the example citations below, discloses that two functions are associated with at least one of said active links, as this claim limitation appears to be interpreted by Caddo. See e.g.:
	Wroblewski at 58:

Chart A-4

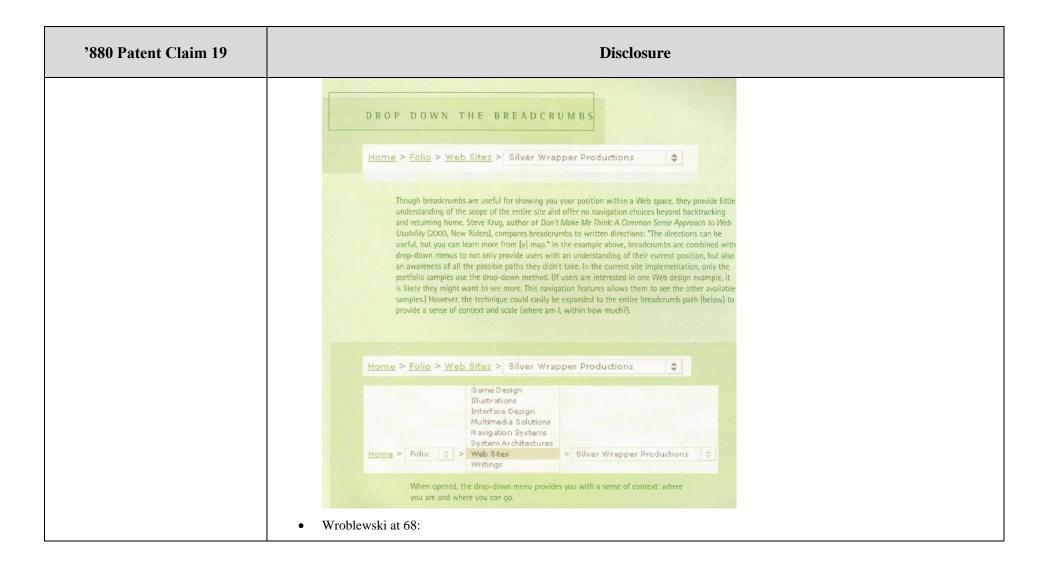
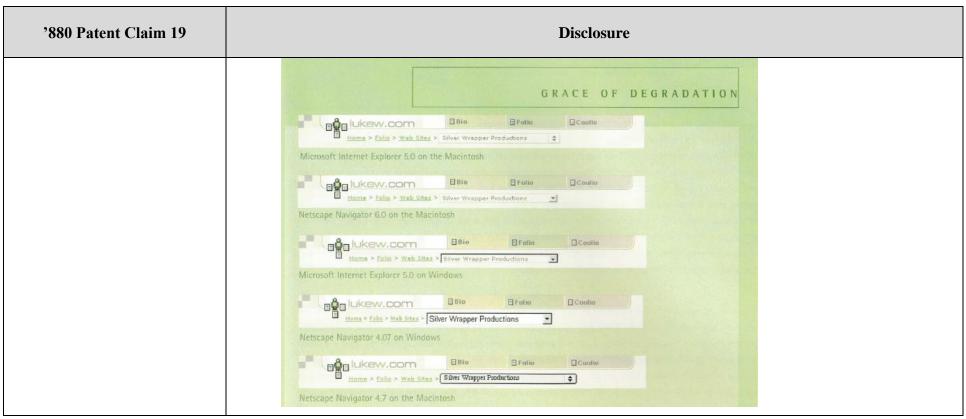


Chart A-4



'880 Patent Claim 20	Disclosure
20. The apparatus of claim 19, wherein execution of said functions is	Wroblewski, as evidenced by the example citations below, discloses that execution of said functions is initiated by selecting different portions of said at least one of active link, as this claim limitation appears to be interpreted by Caddo.

Chart A-4

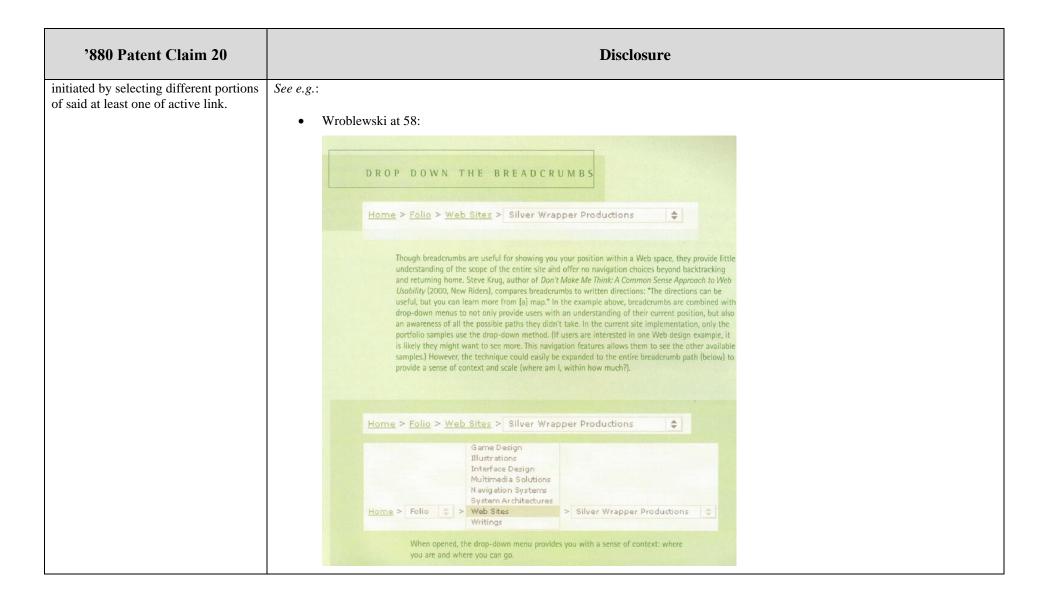


Chart A-4

380 Patent Claim 20	Disclosure
	Wroblewski at 68:
	GRACE OF DEGRADATION
	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
	Home > Folio > Web Sites > Silver Wrapper Productions 💠
	Microsoft Internet Explorer 5.0 on the Macintosh
	Bio Polio Contio Home > Folio > Web Sites > Silver Wrapper Productions
	Netscape Navigator 6.0 on the Macintosh
	a lukew.com Bio Grolio
	History > Folio > Web Sites > Silver Wrapper Productions Microsoft Internet Explorer 5.0 on Windows
	Bio Brotio
	Home > Falia > Web Sites > Silver Wrapper Productions ▼
	Netscape Navigator 4.07 on Windows
	Hame > Folio > Web Sites > Salver Wrapper Productions Coolio
	Netscape Navigator 4.7 on the Macintosh

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'880 Patent Claim 22	Disclosure
22. The apparatus of claim 10, wherein at least two functions are associated with at least one of said active links.	This claim is satisfied by the disclosure set forth in connection with the discussion of '880 claim 19.

'127 Claim 1-I

'127 Patent Claim 1	Disclosure
1. An apparatus for navigating an information structure, the apparatus including a processor configured to:	To the extent the preamble is limiting, this element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 10 preamble.
[a] provide a graphical menu interface displaying the items of a given level of the information structure and enabling selection thereof;	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[a], '301 claim element 1[a], and '880 claim element 1[a].
[b] dynamically construct an active path as a sequence of active links after an item of the information structure has been selected;	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[b], '301 claim element 1[b], and '880 claim element 1[b].
[c] upon provisional selection of a given one of said active links, display one or more items on a given level of	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[d] and '880 claim element 1[c].

Chart A-4

'127 Patent Claim 1	Disclosure
the information structure associated with said provisionally selected active link without affecting the active path; and	
[d] allow a user to access an item in the information structure by selecting the item from the one or more items displayed by one of the active links on the active path;	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim element 1[d].
[e] wherein a function is associated with at least one of said active links.	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 19.

'127 Patent Claim 3	Disclosure
3. The apparatus of claim 1, wherein the one or more active links allow the display of one or more items on a given level of the information structure when a pointer is rolled over one of the active links.	This element is satisfied by the disclosure set forth in connection with the discussion of '517 claim element 1[d].

^{&#}x27;127 Claim 4

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'127 Patent Claim 4	Disclosure
4. The apparatus of claim 1, wherein the one or more active links allow the display of one or more items on a given level of the information structure when one of the active links is selected.	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 4.

'127 Claim 5

'127 Patent Claim 5	Disclosure
5. The apparatus of claim 1, wherein the one or more active links allow the display of one or more items on a given level of the information structure when a visual icon associated with one of the active links is selected.	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 5.

'127 Patent Claim 6	Disclosure
6. The apparatus of claim 1, wherein the active links in the active path allow the display of one or more items on a given level of the information	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[d].

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'127 Patent Claim 6	Disclosure
structure without changing the active path.	

'127 Claim 7

'127 Patent Claim 7	Disclosure
7. The apparatus of claim 1, wherein a user may directly access one or more active links in the active path by selecting the active link.	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[b].

'127 Patent Claim 8	Disclosure
8. The apparatus of claim 7, wherein the selection of an active link causes the active path to truncate to the selected active link.	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 8.

^{&#}x27;127 Claim 9

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'127 Patent Claim 9	Disclosure
9. The apparatus of claim 1 further configured to provide pre-defined shortcuts to enable access to a given item in the information structure, wherein selection of a pre-defined shortcut dynamically constructs an active path including one active link corresponding to each item necessary to navigate to the given item in the information structure.	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 9.

'127 Claim 10

'127 Patent Claim 10	Disclosure
10. The apparatus of claim 1, wherein two functions are associated with at least one of said active links.	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 19.

'127 Patent Claim 11	Disclosure
11. The apparatus of claim 10, wherein execution of said functions is	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 20.

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'127 Patent Claim 11	Disclosure
initiated by selecting different portions of said at least one of active link.	

'127 Claim 13

'127 Patent Claim 13	Disclosure
13. The apparatus of claim 1, wherein at least two functions are associated with at least one of said active links.	This claim is satisfied by the disclosure set forth in connection with the discussion of '880 claim 19.

'127 Claim 14-I

'127 Patent Claim 14	Disclosure
14. A method for navigating an information structure, comprising:	To the extent the preamble is limiting, this element is satisfied by the disclosure set forth in connection with the discussion of '411 claim 1 preamble and '301 claim 1 preamble and '880 claim 1 preamble.
[a] providing a graphical menu interface displaying the items of a given level of the information structure and enabling selection thereof;	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[a], '301 claim element 1[a], and '880 claim element 1[a].

Chart A-4

'127 Patent Claim 14	Disclosure
[b] dynamically constructing an active path as a sequence of active links after an item of the information structure has been selected;	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[b], '301 claim element 1[b], and '880 claim element 1[b].
[c] upon provisional selection of a given one of said active links, displaying one or more items on a given level of the information structure associated with said provisionally selected active link without affecting the active path; and	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[d] and '880 claim element 1[c].
[d] allowing a user to access an item in the information structure by selecting the item from the one or more items displayed by one of the active links on the active path;	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim element 1[d].
[e] wherein a function is associated with at least one of said active links.	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 19.

^{&#}x27;127 Claim 16

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'127 Patent Claim 16	Disclosure
16. The method of claim 14, wherein the one or more active links allow the display of one or more items on a given level of the information structure when a pointer is rolled over one of the active links.	This element is satisfied by the disclosure set forth in connection with the discussion of '517 claim element 1[d].

'127 Claim 17

'127 Patent Claim 17	Disclosure
17. The method of claim 14, wherein the one or more active links allow the display of one or more items on a given level of the information structure when one of the active links is selected.	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 4.

'127 Patent Claim 18	Disclosure
18. The method of claim 14, wherein the one or more active links allow the display of one or more items on a given level of the information	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 5.

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'127 Patent Claim 18	Disclosure
structure when a visual icon associated with one of the active links is selected.	

'127 Claim 19

'127 Patent Claim 19	Disclosure
19. The method of claim 14, wherein the active links in the active path allow the display of one or more items on a given level of the information structure without changing the active path.	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[d].

'127 Patent Claim 20	Disclosure
20. The method of claim 14, wherein a user may directly access one or more active links in the active path by selecting the active link.	This element is satisfied by the disclosure set forth in connection with the discussion of '411 claim element 1[b].

^{&#}x27;127 Claim 21

'127 Patent Claim 21	Disclosure
21. The method of claim 20, wherein the selection of an active link causes the active path to truncate to the selected active link.	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 8.

^{&#}x27;127 Claim 22

'127 Patent Claim 22	Disclosure
22. The method of claim 14 further configured to provide pre-defined shortcuts to enable access to a given item in the information structure, wherein selection of a pre-defined shortcut dynamically constructs an active path including one active link corresponding to each item necessary to navigate to the given item in the information structure.	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 9.

^{&#}x27;127 Claim 23

Preliminary Invalidity Contentions: Pat. Nos. 7,191,411; 7,216,301; 7,640,517; 7,725,836; 8,352,880; 10,037,127

'127 Patent Claim 23	Disclosure
23. The method of claim 14, wherein two functions are associated with at least one of said active links.	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 19.

'127 Claim 24

'127 Patent Claim 24	Disclosure
24. The method of claim 23, wherein execution of said functions is initiated by selecting different portions of said at least one of active link.	This element is satisfied by the disclosure set forth in connection with the discussion of '880 claim 20.

'127 Patent Claim 26	Disclosure
26. The apparatus of claim 14, wherein at least two functions are associated with at least one of said active links.	This claim is satisfied by the disclosure set forth in connection with the discussion of '880 claim 19.